

Build Interest in a Specific Discipline - Computer Technology

Prudential Future Businesses Computer Institute

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 1997 Participants Served: 25

CONTACT INFORMATION

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Partners: Prudential, Rutgers Academic Foundations Center (Newark), Rutgers Campus Information and Conference Services (Newark)

DESCRIPTION

The Future Business Computer Institute (FBCI) is a two-week summer program intended to expose and successfully train students in the growing industry of computer technology. The Future Business Computer Institute is funded by Prudential and supported by Academic Foundations and Campus Information and Conference Services. The hands-on curriculum helps students to develop new and advanced existing computer technological skills. The Institute has a long and distinguished history of thirty-five consecutives summers of operation from 1970 to the present. The Future Business Computer Institute (FBCI) is a two-week summer program intended to expose and successfully train students in the growing industry of computer technology.

Build Interest in a Specific Discipline - Engineering and Engineering Technology

FIRST Robotics Collaborative with Newark Public Schools

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2002 Participants Served: 260 students and teachers

CONTACT INFORMATION

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Partners: NJ/NYC Regional FIRST, Newark Public Schools, New Jersey Commission on Higher Education

DESCRIPTION

New Jersey Institute of Technology has partnered with NJ/NYC FIRST Regional Office and Newark Public Schools to encourage and prepare Newark students, in grades 6-12, to pursue further studies and careers in scientific and technical fields. The objective is to enhance science, technology, engineering, and mathematics classroom instruction and student performance through the preparation for the US For Inspiration and Recognition in Science and Technology (FIRST) LEGO League Tournament and FIRST Robotics Competition. This is a national pre-engineering partnership. The program provides robotics technical assistance through site visits to Newark Public School’s middle school teams; facilitates Saturday Help Clinics, staffs a Virtual Help Desk and local tournament conducted on campus; and referees at the district’s local tournament at NJIT

Project Lead The Way

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2002 Participants Served: 900-1,200 students and teachers

CONTACT INFORMATION

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Partners: National Office of PLTW, NJ Commission on Higher Education, School Districts & Schools

DESCRIPTION

Project Lead The Way® (PLTW) is a national pre-engineering partnership. The program goal is to increase the academic preparation of secondary students interested in engineering and engineering technology at the post secondary level. NJIT serves as the NJ Affiliate by providing information, professional development and support to perspective and participating schools throughout the state.

Middle school students are introduced to technology through the application of the engineering design process. High school students select year-long courses designed to strengthen problem-solving, communication and team building skills; apply the engineering design process; broaden scientific methodology; understand technological systems; and demonstrate mathematics principles.

Build Interest in a Specific Discipline - Health Careers & Professions

Health Career Partnership Pathway Project

Bergen Community College
NJ Higher Education Sector: Community College
Year Began: 2004 Participants Served: Not applicable

CONTACT INFORMATION

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Partners: Bergen Community College, Passaic County Community College, Partnership for Community Health, Inc., Hackensack University Medical Center, Englewood Hospital and Medical Center, St. Mary’s Hospital, St. Joseph’s Hospital and Medical Center, Hackensack Public Schools, Garfield Public Schools, Passaic Public Schools, Paterson Public Schools, Englewood Health Sciences Academies, University of Medicine and Dentistry of New Jersey, Barnett Hospital

DESCRIPTION

The Health Career Partnership creates a supportive pathway that helps students from disadvantaged backgrounds develop the skills needed to successfully transition from high school to college and to a career in the health sciences. The Pathway Project provides for early career exploration and preparation for a full range of allied health professions opportunities. The goal of the program is to help students with disadvantaged backgrounds develop skills required to successfully gain remediation-free admission and to develop higher prerequisites needed to compete for admission to associate degree allied health programs, and to provide dual enrollment opportunities that reduce student cost and time to gain an associate degree and productive employment in the field.

Pre-Medical Honors

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 2001 Participants Served: 250

CONTACT INFORMATION

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Partners: UMDNJ-New Jersey Medical School and several school districts in NJ

DESCRIPTION

The Pre-Medical Honors program is an effort by UMDNJ-NJMS to identify and encourage the most qualified high school students in New Jersey to consider careers in medicine and the health sciences. Our mission is to encourage them to apply to our own outstanding programs. To date, almost 1300 high school students have graduated from this program. About 40 percent of the student body derives from inner city high schools in Newark, Jersey City and Paterson. Other students have come from throughout the state, including Princeton, Trenton, Cliffside Park, Montclair and Fort Lee.

Students are exposed to twenty one hour lectures by professors from the UMDNJ-New Jersey Medical School, as well as didactic sessions conducted by faculty members and medical students. Enrollees are invited to participate in a wide-range of activities, including elective courses such as basic life support, cardiopulmonary physiology, medical librarianship, and tours of pathology labs and University Hospital.

Build Interest in a Specific Discipline - Health Careers & Professions

Decision for Dentistry

University of Medicine and Dentistry of New Jersey - New Jersey Dental School
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 45

CONTACT INFORMATION

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Partners: Newark Board of Education - all high schools, Police Athletic League

DESCRIPTION

Decision for Dentistry (DFD) was developed in collaboration with school-to-career counselors in Newark high schools. It introduces high school students to career options available in dentistry. The objectives are to: introduce students to the wide range of career options associated with a doctoral degree in dentistry; offer students an informative, hands-on experience to shed light on the dental school experience; assist students in understanding the requirement to enter dental school and what they must do to meet those requirements; and link students with a dental student and/or UMDNJ-NJDS faculty member to serve as mentor. DFD is a three-phase program offered three times annually, in October, November and December. Fifteen students are recruited from the high schools and invited to participate in three full-day sessions at UMDNJ-NJDS. Activities include□lectures, hands-on activities, meeting with mentors, and attending an admissions symposium.

Articulated High School Partnerships - Health Science Careers

University of Medicine and Dentistry of New Jersey - School of Health Related Professions
NJ Higher Education Sector: Public Research University
Year Began: 1992 Participants Served: 1618

CONTACT INFORMATION

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Partners: Abraham Clark High School, Atlantic County Vocational Technical School, Bergenfield High School, Bergen County Academy for Medical Science Technology, Bloomfield High School

DESCRIPTION

The mission of the program is to provide School to Careers preparation for multiple health careers through a core curriculum emphasizing science, the human and organizational side of health care, and the opportunity to earn college credit and clinical experience. The program focuses on the concept of the health care team as essential to patient well-being, creating a health workforce that has ethnic and gender diversity, promoting a broadly trained health practitioner who will meet the needs for future health professionals. The goal is to provide students with a strong foundation in science, communication, and the health care system, and enhance quality high school students to successfully matriculate in college. The Health Science Careers program has a broad-based interdisciplinary core curriculum.

Services are provided during the academic year. Services include curriculum and all coursework for a variety of courses including Dynamics of Health Care in Society, Anatomy and Physiology I and II. The program provides professional development for teachers and standardized testing for students.

Build Interest in a Specific Discipline - Law

East Orange Campus High School Law Academy

Rutgers, The State University of New Jersey Law School - Newark

NJ Higher Education Sector: Public Research University

Year Began: 2002 Participants Served: 80

CONTACT INFORMATION

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Partners: East Orange Campus High School, Rutgers Law School - Newark Community Law Clinic, East Orange Board of Education

DESCRIPTION

This initiative is a collaboration between the faculty of the East Orange Campus High School and the Community Law Clinic (CLC) to develop and implement a Moot Court and/or a Mock Trial competition for students participating in Law Academy classes. Campus High School faculty give Law Academy students an overview of the legal process; CLC faculty and students provide mentoring and training to develop Law Academy students' advocacy skills. The project is intended to serve both Law Academy students and Rutgers Law school students. The latter group are provided a opportunity to practice what they have learned in law school.

CLC students meet once a week with Law Academy students over the course of a semester. Four groups of students - approximately 20 students/group participate in the program. CLC students coach Academy students in the art of issue spotting, persuasive argument and oral advocacy, all in preparation for an end-of-semester competition judged by a distinguished panel of judges organized by the CLC.

Build Interest in a Specific Discipline - Mathematics

Allies in Teaching Mathematics and Technology

Rutgers, The State University of New Jersey - Newark campus
NJ Higher Education Sector: Public Research University
Year Began: 2000

CONTACT INFORMATION

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Partners: Newark public schools, Essex County Vocational and Technical Schools

DESCRIPTION

The primary goal of this project is to provide access to powerful mathematical ideas for all students by: Helping teachers to create classroom environments in which students can build concepts and skills as they engage in meaningful, compelling, and challenging problem-solving explorations; Helping teachers to become more comfortable with new materials, standards-based curricula, and teaching strategies that introduce new technologies; Helping students gain knowledge and skills as they work on complex, problem-solving activities; Expanding the numbers of students who are mathematically literate, confident, and able to succeed in mathematically challenging courses; Allowing undergraduate students at Rutgers-Newark to provide direct support in the schools to both teachers and students.

Rutgers University faculty, staff, and undergraduate students work with teachers and students in the Newark Public Schools to accomplish the goals listed above throughout the school year and during summer sessions.

Build Interest in a Specific Discipline - Science and Mathematics

Visiting Professors' Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2001

CONTACT INFORMATION

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Partners: area high schools

DESCRIPTION

The Visiting Professors' Program is a short-term program designed to generate an atmosphere of inquiry, enthusiasm and challenge to students in elementary and high school. The College of Science and Mathematics professors visit an area classroom and share their research and expertise during a 40-minute class lecture/lab.

NSF Graduate Teaching Fellows in the Newark Public Schools

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2001 Participants Served: approx. 750

CONTACT INFORMATION

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Partners: Newark Public Schools

DESCRIPTION

The project links Rutgers University - Newark graduate students and advanced undergraduates from the sciences with the Newark Public Schools as NSF Teaching Fellows. The broad goals of the program to share knowledge of and interest in science and mathematics with students and expose them to new ideas, resources, and potential careers; and to provide university students with a variety of educational experiences that enhance their teaching skills. Study-skills training, campus visits and tours, mentoring, cultural activities and field trips are provided during the academic year, during school hours.

Build Interest in a Specific Discipline - Science and Technology

Johnson & Johnson Science Grant

Felician College
NJ Higher Education Sector: Independent College or University
Participants Served: 2 schools

CONTACT INFORMATION

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DESCRIPTION

Science/technology projects

Build Interest in a Specific Discipline - Technology

Technology Summer Camp

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 1999 Participants Served: 45

CONTACT INFORMATION

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Partners: CIMIC, Rutgers University - Newark, Newark Public School, Urban League Essex County

DESCRIPTION

The objective of the Technology Summer Camp is to expose students to technology as a way to continue education throughout the summer. This program is developed by the East Newark School and CIMIC. Students get a unique chance to acquire computer skills via real world problem and solving techniques. We give students environmental science issues not only to make students aware of the environmental issues, but also to learn to assess the impacts of environmental problems and to learn how to address these challenges using data and data presentation skills via the use of computers. This camp focuses on the underprivileged kids from the Newark community. This high-technology summer camp provided students with PDAs, handheld GPS and digital cameras and sent them out to study the community around Newark. Using the electronic equipment, they created digital maps of the area, and recommend changes that would revitalize the community. Each camp was divided into three 10-day learning modules, including video production, digital mapping/GIS, and computer literacy/graphics. The digital mapping/Geographical Information System (GIS), mobile technologies and the Web design development/graphics components were done at Rutgers-Newark and the other components, such as video production and computer literacy, took place at the Urban League family technology center in Newark. During the upcoming school year, the students will use their plans to lead community projects based on their research.

CIMIC is part of the GeoSpatial Information and Technology Association (GITA) New York-New Jersey Chapter. Together with GITA, CIMIC organizes a GeoSpatial Symposium. This symposium provides an opportunity for both the students and professional community to discover and share the latest developments in the Geospatial industry.

College Coursework at K-12 Schools

Building School District Leadership Capacity

College of Saint Elizabeth
NJ Higher Education Sector: Independent College or University
Year Began: 2002 Participants Served: 150

CONTACT INFORMATION

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Partners: Mt Olive Public School District, Belleville Public School District, Parsippany Public School District, Ridgewood Public School District, Millburn Public School District

DESCRIPTION

The College of Saint Elizabeth works with several local school districts to provide an on-site MA Program in Educational Leadership that leads to NJ Principal / Supervisor certification for future school leaders. The overall goal of the program is to build a leadership infrastructure to include a pool of candidates for potential administrative openings within the districts. The MA in Educational Leadership takes two years to complete. It is a 36 credit program implemented on-site in the partnering districts during the school year and summer semesters.

College Credits for High School Students

AHEAD (Achieve Higher Education in Advance of Diploma) Program

Bergen Community College
NJ Higher Education Sector: Community College
Year Began: 2003 Participants Served: 4

CONTACT INFORMATION

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Partners: Fair Lawn High School, Bergenfield High School, Paramus High School, Midland Park High School, Ramapo High School

DESCRIPTION

The AHEAD Program is offered to high school seniors who may wish to get a jump start on their college education. If high school seniors have completed their required course work and have passed the state’s high school proficiency test, they are given the option to enroll in courses at Bergen Community College to count as college credit and to perhaps increase their college entrance competitiveness. The program is intended to give these students more options as well as responsibility and some independence.

College Experience Program

Bergen Community College
NJ Higher Education Sector: Community College
Year Began: 1981 Participants Served: 30

CONTACT INFORMATION

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Partners: all High Schools in Bergen County

DESCRIPTION

The College Experience Program is intended to be a mechanism for talented high school juniors and seniors to pursue advanced education at an early stage in their academic life. Courses applied for are to represent an advanced experience and reflect an accelerated academic interest. Because of this, students requiring developmental courses after taking the NJ College Basic Skills Placement Test are not eligible for the program.

Project Forward

Felician College
NJ Higher Education Sector: Independent College or University

CONTACT INFORMATION

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Partners: High schools with articulation agreements with Felician

DESCRIPTION

Project Forward is designed to enable outstanding high school seniors to experience college learning while completing high school studies. Courses are offered during the Fall and Spring semesters, carry college credits, and can be applied to degree studies at Felician College. Students who plan to attend another college may be able to transfer these credits into their degree programs.

College Credits for High School Students

Newark Public Schools at the Pre-college Academy @ NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1998 Participants Served: 20 students

CONTACT INFORMATION

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Partners: Newark Public Schools, NJIT

DESCRIPTION

The goal of the program is to provide Newark high school students the opportunity and financial resources necessary to take college courses at NJIT. NJIT provides these students with college credit for successful completion of the courses. Urban youngsters are allowed to experience, first hand, STEM courses that are offered on a campus that specializes in technologically oriented coursework.

Union City Scholars @ NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1992 Participants Served: 236 students

CONTACT INFORMATION

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Partners: Union City Board of Education, NJIT

DESCRIPTION

The program provides student instruction in engineering, mathematics, chemistry, computer applications, and language arts through classroom discussions, lectures, laboratory experiments, projects and field trips in the summer (New Jersey Core Curriculum Standards). They have structured daily athletic activities to promote team-building and reinforce classroom principles of teamwork. In addition, students receive college credit for college courses; letters of recommendation; financial aid; and academic tutoring. Urban youngsters are allowed to experience, first hand, STEM courses that are offered on a campus that specializes in technologically oriented coursework

McNair Academic High School, Jersey City

Rutgers, The State University of New Jersey
NJ Higher Education Sector: Public Research University

CONTACT INFORMATION

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Partners: Jersey City Public Schools (McNair Academic HS)

DESCRIPTION

Newark College of Arts & Sciences of Rutgers University - Newark offers college courses to advanced placement students chosen by McNair Academic High School. The classes are delivered to McNair by instructional television in real time; additional instruction is provided via the Blackboard I.T. platform. The program provides Economics, Psychology, and History courses for college credit during the academic year.

College Credits for High School Students

Special Program for Credit

Saint Peter's College
NJ Higher Education Sector: Independent College or University
Year Began: 1970 Participants Served: 200

CONTACT INFORMATION

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Partners: partner NJ high schools

DESCRIPTION

This program is designed for academically talented high school seniors. SPFC offers these students the unique opportunity to earn college credits for advanced course-work completed in their high school. SPC has evaluated select courses in certain high schools and has approved faculty, syllabi and textbooks for college credit. All high school teachers participating in SPFC have earned advanced degrees and have received special adjunct faculty status from the College for this program. In addition to offering credit programs in local high schools, the Special Program for Credit provides limited opportunities for students to take one course per semester in the day session on the Saint Peter's campus during their senior year in high school. SPFC courses offer the challenge of advanced and independent study, as well as an introduction to collegiate work; during the academic year during school hours.

Higher Education Advanced Degree Start-Up Program ("Heads-Up" Program)

Warren County Community College
NJ Higher Education Sector: Community College
Year Began: 2001 Participants Served: 400-500

CONTACT INFORMATION

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Partners: Phillipsburg High School, Belvidere High School, Warren County Technical School, All County High Schools are invited to participate

DESCRIPTION

Warren County Community College and Warren County School Districts recognize the value of a program that allows high school students to begin to accrue college credits while completing their high school experience. The HEADS UP Enrollment Program is a partnership program linking high schools and the College to provide qualified high school students with an opportunity to enroll during part of the school day in general education transferable courses. Students who successfully complete these courses will earn College credit, which will be documented on an official WCCC transcript. Students will have the option to apply the credits directly to a WCCC degree program or transfer them to another college or university as they pursue their higher education options.

Curriculum Development

NJDOE Inclusion Grant

Felician College
NJ Higher Education Sector: Independent College or University
Participants Served: 6 school districts

CONTACT INFORMATION

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Partners: Wood-Ridge, Piscataway, Newark, Lyndhurst, Rockaway, and Hackensack

DESCRIPTION

Redesign special education program using representatives form LEA's

Professional Development Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1996 Participants Served: 120 - 150

CONTACT INFORMATION

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Partners: NJIT, NPS

DESCRIPTION

The purpose of this program is to provide workshops that will improve and enhance teachers’ skills and knowledge in preparing standards-based lessons that will help their students achieve the skills and knowledge defined by the NJ Core Curriculum Content Standards; and to improve and enhance teachers’ skills and knowledge to help their students understand and use the tools of measurement important in the study of science and engineering. The program provides professional development workshops during the summer and academic year.

Newark Public Schools Systemic Initiative in Mathematics - Local Systemic Change Project

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2002

CONTACT INFORMATION

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Partners: Newark Public Schools, Montclair University

DESCRIPTION

The K-8 Newark Public Schools Systemic Initiative In Mathematics (NPSSIM) is an ambitious five-year plan to achieve comprehensive reform in mathematics education and to ensure institutionalization thereafter. Building on the existing infrastructure, pilot programs, partnerships, and lessons learned from past endeavors, research, and during the planning period, the project sets important goals that will result in improved student achievement in mathematics. The goals will be accomplished through a multi-faceted program that has at its core an informed cadre of instructional leaders at all levels within the school district, who will support the implementation of the adopted standards-based curricula, standards-based instruction, and assessment. These mathematics leaders will provide onsite, and ongoing support to help all teachers build new standards-based approaches to the teaching and learning of mathematics. The district has made a commitment to supporting change, and the time is ideal for this initiative which will not only help teachers and administrators who are currently part of the district, but provide a way to continue to support participants in transition as well as those who are new to the district. The implementation process includes scaling-up and expanding the internal capacity building of the Newark Public Schools in collaboration with community agencies and university partners to: implement standards-based curriculum; integrate the technology standards into mathematics instruction; develop and implement coherent assessment practices; provide ongoing standards-based professional development; and, use the results of research and data as a tool for improving mathematics instruction. Our ultimate goal is to improve student learning and every aspect of this proposal is intended to lead to that result.

Curriculum Development

Marion Thomas Charter School and UMDNJ-SN Health Education Project for Students, Teachers and Families

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 1999 Participants Served: 300 students and 15 teachers

CONTACT INFORMATION

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Partners: Marion P. Thomas Charter School, UMDNJ-School of Nursing

DESCRIPTION

The UMDNJ School of Nursing has partnered with the Marion P. Thomas Charter School since its conception, developing and implementing health care curriculum that meets the unique needs within this urban environment. As the school expands to the 7th grade, we are expecting the health care curriculum to deal with many complicated issues of pre-adolescence. Our RN/BSN students focus on professional development, staff health promotion, and increasing parent leadership in school as well. In addition, our students support and supplement the role of the school nurse as part of their clinical experience.

High School - College Transition Assistance

Newark School District Initiative

Rutgers, The State University of New Jersey - Newark Campus
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 150 per year

CONTACT INFORMATION

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Partners: Arts High School, Central HS, Malcolm X Shabazz, Science HS, Technology and University HS's

DESCRIPTION

The goal of this partnership is to broaden student's knowledge of higher education opportunities, specifically at Rutgers-Newark. During the Fall of each year we bring in Seniors from selected Newark high schools to encourage them to think about the many opportunities that exist at a four-year institution. Staff at Rutgers University assist these students with the application process for Rutgers University. In the spring we assist Juniors from the Newark high schools who then return to the campus the following fall as a follow up to the process.

Non-Academic Support Services

Newark Public Schools - School Nurse Experience

Rutgers, The State University of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: varies

CONTACT INFORMATION

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Partners: Newark School District including all levels of schools in the district, Rutgers College of Nursing

DESCRIPTION

Junior nursing students in their pediatric rotation spend part of the rotation with school nurses from the Newark School District. The objectives are for nursing students to learn about a different and more independent nursing role that combines nursing care and health education. Second, to observe and learn about differences in growth and development in children who are not ill. Third, to care for children with chronic illness and/or developmental disabilities in a school setting. This experience is during the spring semester.

Charter School Program

Rutgers, The State University of New Jersey - Newark Law School
NJ Higher Education Sector: Public Research University
Year Began: 2001 Participants Served: 6 schools(5 elem., 1 h.s.)

CONTACT INFORMATION

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Partners: Marion P. Thomas Charter School, Newark Pre- School Council, Jersey Shore Charter School, University Academy Charter High School, Discovery Charter School and Team Academy

DESCRIPTION

The clinic serves as counsel for the schools providing representation in various areas such as labor negotiations, dissolution, tax exemption, contracts, public bidding, lease negotiations, construction disputes, school discipline and various policy areas. The Clinic's legal representation puts our students in the schools where they serve not only as counsel but as role models. At the same time our students are learning that corporate/transactional counsel can provide important pro bono legal services. The resources that the charter school saves on legal fees can be redirected to student's education.

Community Oriented Primary Care (COPC) Projects

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine
NJ Higher Education Sector: Public Research University
Year Began: 1998

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning
University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine
Newark, NJ
Telephone: 856.566.6241
Email: crosbiwj@umdnj.edu
Partners: University of Medicine and Dentistry of NJ - School of Osteopathic Medicine, Southern New Jersey Area Health Education Centers, Camden School System

DESCRIPTION

All third-year School of Osteopathic Medicine students participate in expanded community service rotations at AHEC sites in Camden. Each year, 16 COPC Teams, each consisting of 10 students, assess health needs and implement projects to help underserved communities, with an emphasis on children. COPC works with Camden public school students and their families. This year, The COPC team from the School of Osteopathic Medicine is addressing obesity in elementary school children and prenatal and baby care for teenage mothers.

Other

High School Educational Water Monitoring Program

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: Seven Schools

CONTACT INFORMATION

Nabil Adam, Director, CIMIC; Jared Eudell, Project Manager, HRI;Mark A. Guarino, Director, Department of Health Services Bergen County;Jeannine Der Bedrosian, Program Chair, East Brunswick Stream Teams, Director, Center for Information Management, Integra
Rutgers University - Newark
180 University Avenue Room 200q, Newark, NJ 07102
Telephone: 973.353.5239
Fax: 9733535808
Email: adam@adam.rutgers.edu
Web Site: <http://cimic.rutgers.edu/~hmdc/njmc.htm> | <http://cimic.rutgers.edu/w5/> | <http://cimic.rutgers.edu/~project/epa/>
Partners: CIMIC, Rutgers University - Newark, Hackensack Riverkeeper, New Jersey Meadowlands Commission, EPA, Bergen County Department of Health Services

DESCRIPTION

The High School Educational Water Monitoring Program is a hands-on watershed curriculum for high school students in the Hackensack River watershed that teaches about non-point source pollution, water chemistry, and ecology. The partners in this program include Hackensack River Keeper, New Jersey Meadowlands Commission and CIMIC. Watershed Management Program WMA5 project is funded by the state for the development and maintenance of a water monitoring website for Watershed Management Area 5. The partners in this project are Bergen County Department of Health Services and CIMIC.

High School Educational Water Monitoring Program: This is a grant-funded project to facilitate the web-based water monitoring activities by high school students around Hackensack and Bergen Counties. This water monitoring project has been further extended with an EPA grant to support the entire New Jersey volunteer monitoring groups from twenty Watershed areas. This project provides extensive knowledge base about water monitoring to the NJ community and volunteer water monitoring groups. WMA5 project provides various services like GIS interactive mapping, satellite image processing, water quality data management and streaming videos for students and community.

Liberty Science Center/Seton Hall University College of Education and Human Services

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2003
(Affiliation began in 1998)

CONTACT INFORMATION

Deborah Strazza, Director of Field Placement and Supervision
Seton Hall University
400 South Orange Ave., South Orange, NJ 07079
Telephone: 963.275.2010
Email: strazzsde@shu.edu
Partners: Liberty Science Center, Seton Hall University College of Education and Human Services

DESCRIPTION

Liberty Science Center staff work with Seton Hall University teacher candidates during the summer on special projects. Some experiences include electronic classroom teaching between LSC and cooperating schools; SHU students preparing presentations for LSC Teacher Professional Development Workshops; off-site demonstrations at science fairs; conducting research and preparing lessons for new exhibits; and teaching lessons in the classrooms that highlight LSC exhibits.

Precollege Program

GEAR UP

Bergen Community College
NJ Higher Education Sector: Community College
Year Began: 1999 Participants Served: 341

CONTACT INFORMATION

Ms. Jill Cannady, Program Director
Bergen Community College
Dwight Morrow High School, Englewood, NJ 07631
Telephone: (201) 227-2332
Partners: Dwight Morrow High School

DESCRIPTION

Program Services (Academic):
Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring, Specialized services for disabilities.

Program Services (Other):
Social Skills Development/Confidence Building, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Health Careers Academy

Bergen Community College
NJ Higher Education Sector: Community College
Year Began: 2004 Participants Served: 9

CONTACT INFORMATION

Joan Verderame, Director of Surgical Technology/ Associate Professor
Bergen Community College
400 Paramus Road, Paramus, NJ 07652
Telephone: (201) 447-7921
Email: jverderame@bergen.edu
Web Site: www.bergen.edu
Partners: Ridgewood High School

DESCRIPTION

Bergen Community College and Ridgewood High School are collaborating on an initiative called "Health Careers Academy." This pathway will provide high school students the opportunity to take general education and science courses given by the College on its campus. While still in high school, student participants will be able to significantly expand their degree and career options by receiving college credit for these courses. This collaborative effort will strengthen student academic preparation, reduce the need for remediation and prerequisite course work, decrease time and financial requirements for students, and increase rates of graduation, certification and transfer.

GEAR UP Program

Englewood Public Schools
NJ Higher Education Sector:
Year Began: 1999 Participants Served: 379

CONTACT INFORMATION

Jill Cannady, Project Director
Englewood Public Schools
274 Knickerbocker Road, Englewood, NJ 07631
Telephone: (201) 227-2332
Fax: (201) 871-4525
Email: jcannady@epsd.org
Partners: Janis E. Dismus Middle School, Dwight Morrow High School

DESCRIPTION

Program Services (Academic):
Study Skills Training, Math tutorial - Middle school (7th-8th grade)

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Precollege Program

Upward Bound Program

Bloomfield College
NJ Higher Education Sector: Independent College or University
Year Began: 1966 Participants Served: 65

CONTACT INFORMATION

Ms. Doris Ann Richardson, Director
Bloomfield College
467 Franklin Street, Bloomfield, NJ 07033
Telephone: (973) 748-7615
Email: errb9@aol.com
Partners: Newark, East Orange, and Orange School Districts

DESCRIPTION

The goal of the Bloomfield College Upward Bound Program is to prepare its participants to complete their education beyond high school and to develop, progress, and change into productive, well-rounded individuals. Participants of the program will be more effective communicators upon completion. The program employs a holistic approach toward the accomplishment of its intended objective. Students are offered academic, cultural, social, creative, artistic, and professional enrichment.

Hosted by Bloomfield College since 1966, the Upward Bound Program is a precollege program, serving teenagers (13 - 18 years of age) from selected high schools in the Newark and East Orange areas. The program offers a follow-up component from September - April and a six-week summer residential component from June - August. The eligibility criteria includes completion of the 8th grade, poverty level, household income, and/or first generation status.

Colegio Y Mas! Como No!

Caldwell College
NJ Higher Education Sector: Independent College or University
Year Began: 1992 Participants Served: 30

CONTACT INFORMATION

Ana Serra Prescott, Director of Student Activities
Caldwell College
9 Ryerson Ave, Caldwell, NJ 07006
Telephone: (973) 618-3494
Fax: (973) 618-3929
Email: aprescot@caldwell.edu
Partners: Bergen, Passaic, Hudson, Union, and Essex Counties

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Critical Thinking Skill Development, Awareness of positive and negative issues and situations that surround them all year

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, College Awareness, Career Counseling, Personal Counseling, Cultural Activities

College Bound Tech Program

Essex County College
NJ Higher Education Sector: Community College
Year Began: 1998 Participants Served: 50

CONTACT INFORMATION

Betty Foster/Lilisa J. Williams, Director/ Associate Director
Essex County College
303 University Avenue, Newark, NJ 07102
Telephone: (973) 877-1936
Fax: (973) 877-3294
Email: foster@essex.edu and lwilliams@essex.edu
Partners: Newark Public Schools

DESCRIPTION

Essex County College's College Bound Tech Program serves 150 middle school students, grades 7-8, from Newark Public Schools. The program provides educational support and enrichment activities to ensure the completion of middle school and successful pursuit of a postsecondary education. Although the program is open to all Newark middle school students, College Bound Tech specifically targets three Newark middle schools (Thirteenth Avenue, Vailsburg and Camden Middle Schools). The College Bound Tech Program staff works closely with the targeted schools to provide its students with academic support in the areas of mathematics, science, technology, and language arts. The program is based on the premise that these students, despite their disadvantages, can successfully pursue post-secondary education in the sciences, mathematics, or technology fields. The key is to provide students with the tools and encouragement they need to make the journey. The program includes a four-week summer component and an academic year program complete with Grade Eight Proficiency Assessment (GEPA) preparation, computers, individual tutoring, field trips, motivational experiences, college exposure, and career awareness workshops.

Precollege Program

GEAR UP Newark

Essex County College
NJ Higher Education Sector: Community College
Year Began: 2000 Participants Served: 1300

CONTACT INFORMATION

Cassandra E. Davis, Director
Essex County College
Essex County College, 303 University Ave. room #1128, Newark, NJ 07102
Telephone: (973) 877-3245
Fax: (973) 877-3297
Email: cdavis@essex.edu
Partners: Newark Public Schools

DESCRIPTION

The aim of the GEAR UP Newark program is to strengthen and build the capacity of Central High School feeder schools to improve student academic achievement and increase the number of low-income students who are prepared for and who will pursue postsecondary education. Strategic activities are targeted at three core groups: students, parents, and teachers.

Project GRAD Summer Institute

Essex County College
NJ Higher Education Sector: Community College
Year Began: 1998 Participants Served: 80

CONTACT INFORMATION

Susan Schenk, Director of Project GRAD
Essex County College
303 University Ave., Newark, NJ 07102
Telephone: (973) 877-3533
Email: schenk@essex.edu
Partners: Malcolm X Shabazz High Schoo, Central High School

DESCRIPTION

Summer institutes are an important component of Project GRAD Newark. Each GRAD scholar is required to attend two summer institutes, which may be taken after the freshman, sophomore or junior year of high school. Essex County College offers the post-freshman summer institute. The summer institutes are enrichment programs that better prepare Project GRAD students for course work at the high school and college level. Summer institutes also provide Project GRAD students with encouragement to complete high school and continue on to college.

Talent Search Program

Essex County College
NJ Higher Education Sector: Community College
Year Began: 1975 Participants Served: 1200

CONTACT INFORMATION

Betty Foster/Shelley Pettiford, Director/Associate Director
Essex County College
303 University Avenue, Newark, NJ 07102
Telephone: (973) 877-3196
Fax: (973) 877-3294
Email: foster@essex.edu and pettiford@essex.edu
Partners: Newark School District

DESCRIPTION

The Talent Search Program promotes retention and actively seeks to improve educational opportunity and access for target community students who traditionally have not participated fully in the advantages which higher education provides. The program's primary focus is to assist students from disadvantaged backgrounds to not only continue in and complete grades six through twelve but also to enroll in postsecondary educational programs. The program targets low-income and first-generation middle and high school students, and dropouts ages 11-27. Annual enrollment is open to 1200 students who attend Central, Technology, West Side, Malcolm X. Shabazz and West Kinney High Schools and Warren Street, Miller Street and William Brown Academy Middle Schools. During the program year, September-May, students receive academic preparation for the Grade Eight Proficiency Assessment (GEPA), High School Proficiency Assessment (HSPA) and the Scholastic Assessment Test (SAT) as well as computer learning classes. In addition, students also have the opportunity to participate in college tours, cultural enrichment activities, tutoring, career assessment and counseling. Talent Search has operated under the auspices of Essex County College for the past twenty-six years. Project students have enrolled and graduated from undergraduate schools and continued on to graduate institutions and have become productive citizens within their communities.

Precollege Program

Upward Bound

Essex County College
NJ Higher Education Sector: Community College
Year Began: 1971 Participants Served: 135

CONTACT INFORMATION

Betty Foster, Director-Department of Special Programs
Essex County College
303 University Avenue, Newark, NJ 07102
Telephone: (973) 877-3196
Fax: (973) 877-3294
Email: foster@essex.edu
Web Site: www.essex.edu
Partners: Newark School District

DESCRIPTION

The Upward Bound program seeks to improve educational opportunity and access for community students that traditionally have not participated fully in the advantages of higher education. Its objective is to assist students from disadvantaged backgrounds to complete secondary school and to enroll in and graduate from post-secondary educational programs. It is committed to providing activities and services tailored to meet the needs of students in achieving these goals and to monitoring student progress through post-secondary graduation in order to evaluate overall program effectiveness. The program targets low-income Newark high school students, 13-19 years of age, most of whom are the first generation of their families to consider post-secondary education. Annual enrollment is open to 135 students who attend Barringer, Central, East Side, Malcolm X Shabazz, West Side and Science high schools. During an intensive six-week summer session and during the academic year on Saturdays and after school, students are involved in rigorous academic study with an emphasis on English, mathematics and science. In addition, they receive access to tutoring, counseling, cultural enrichment activities and other support services. The Upward Bound Program has operated under the auspices of Essex County College for the past thirty years and remains consistent with the institutional mission to "encourage people to enroll and excel who otherwise might not aspire to higher education" and provide "counseling, academic support services, cultural recreational activities which promote a positive self-image and which facilitate the intellectual, social, emotional and physical development of students."

Academically Gifted and Talented Youth Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1981 Participants Served: 1350

CONTACT INFORMATION

Richard Taubald, PhD, Director
Montclair State University
Normal Ave., Montclair State University, Upper Montclair, NJ 07043
Telephone: (973) 655-7158
Fax: (973) 655-7895
Email: taubaldr@mail.montclair.edu
Web Site: www.montclair.edu/gifted

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Academically accelerated courses below the college level, e.g. A.P, Study Skills Training, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, Cultural Activities

Community Connection Tutoring Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2003 Participants Served: 60

CONTACT INFORMATION

Barice Williamson, Director, Teacher Education Advocacy Center
Montclair State University
1 Normal Ave, Montclair, NJ 07042
Telephone: 973-655-7696
Fax: 973-655-4469
Email: williamsonba@mail.montclair.edu
Web Site: http://cehs.montclair.edu/academic/cop/teac

DESCRIPTION

The Community Connection Tutoring Program was established to provide tutoring services to K-12 students from Montclair and its surrounding area. Through this program, Montclair State University students are matched with K-12 students for tutoring in math, science, and literacy. Sessions are held on campus to promote an interest in higher education.

Precollege Program

Future Educators Association

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1990 Participants Served: 100

CONTACT INFORMATION

Barice Williamson, Director, Teacher Education Advocacy Center
Montclair State University
1 Normal Avenue, Montclair, NJ 07043
Telephone: (973) 655-7696
Fax: (973) 655-4469
Email: williamsonba@mail.montclair.edu
Web Site: CEHS.montclair.edu/academic/cop/teac
Partners: Montclair, Fair Lawn, and Newark Public Schools

DESCRIPTION

A joint venture with local public schools, Montclair State University's Future Educators Association works with the MSU Network for Educational Renewal districts to identify promising students and encourage them to consider teaching careers. The program promotes achievement by supporting high standards, positive self-image, and leadership at school and in the community. A special feature of the association is the emphasis on assisting students in making a critical transition from high school to college. During meetings, guidance counselors help students prepare for the SAT and complete college applications. The University sponsors annual on-campus events for students and their teachers and helps students learn about the teaching profession. In partnership with Gear Up Newark, the Future Educators Association at Montclair State University works closely with the Newark Public Schools at both the middle school and high school levels.

Gifted Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1982 Participants Served: 1500

CONTACT INFORMATION

Steven Nash, Director, Gifted and Talented
Montclair State University
Upper Montclair, NJ 07043
Telephone: (973) 655-4104
Email: nashs@mail.montclair.edu

DESCRIPTION

During the past 23 years, Montclair State University has conducted programs for high aptitude and high achieving students. The Gifted Program has grown since 1981 from an initial enrollment of 77 students to more than 1400 in 2002. The primary goal of the program is to provide balanced enrichment by strengthening both verbal and quantitative skills.

Preparatory Center for the Arts

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1976 Participants Served: 500

CONTACT INFORMATION

Ruth Rendleman, Director
Montclair State University
Valley Road and Normal avenue, Montclair, NJ 07043
Telephone: (973) 655-4443
Fax: (973) 655-5279
Email: Rendlemanr@mail.montclair.edu
Web Site: www.stokesmusiccamp.com/ or www.montclair.edu/music/

DESCRIPTION

The Preparatory Center for the Arts was established to provide musical education training for all age groups. The center serves approximately 400 students from New Jersey communities and the surrounding metropolitan area.

Precollege Program

Schoolyard Habitats-Science Enrichment

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 180

CONTACT INFORMATION

Jacalyn Willis, PH.D., Director, PRISM
Montclair State University
Montclair State University - Richardson 121, Upper Montclair, NJ 07043
Telephone: (973) 655-7753
Fax: (973) 655-4430
Email: willisj@mail.montclair.edu
Web Site: www.csam.montclair.edu/ceterms/prism
Partners: Newark, East Orange, Bridgewater School Districts

DESCRIPTION

The "Schoolyard Habitats: Living Laboratory" program functions as a teaching laboratory as well as a hands-on science laboratory. Together, children, parents, teachers and scientists actively explore ideas and do scientific experiments that are educational and fun. Summer Institutes are held each year for rigorous training in inquiry-based and problem-solving approaches to science teaching. New teachers are mentored throughout the program by experienced teachers. Those who participate in the Summer Institutes are prepared to lead after-school and summer science activities for children and their parents. The program is designed to foster inquiry approaches based on sound science concepts that promote student questioning and investigation. Students, teachers, and communities benefit from this program. Students benefit from ample time for experimentation and in-depth learning, the finest teacher guidance, and adequate materials to carry out investigations and explorations in science. Participating families help to spread the values of science education to the community. For teachers, the program provides a bridge between the Summer Institute experience and formal application of science teaching in the classroom. The school districts gain from the expanded science knowledge and experience of its teachers, many of whom will become turnkey trainers in the districts in-service sessions.

STARS (Students and Teachers are Reading Sports)

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2004 Participants Served: 15

CONTACT INFORMATION

Dr. Linda Wise, Assistant Professor
Montclair State University
1 Normal Avenue, Upper Montclair, NJ 07043
Telephone: (973) 655-4436
Fax: (973) 655-5376
Email: wisel@mail.montclair.edu
Partners: Paterson School District

DESCRIPTION

The STARS (Students and Teachers are Reading Sports) Program provides elementary students from the Paterson Public School District with free literacy instruction and reading enrichment based on sports-related children's literature. Funded by Fleet Bank, this program represents a collaboration among a variety of organizations including the Yogi Berra Museum and Learning Center, the Literacy Enrichment Center at Montclair State University, and the Paterson Public Schools. Every week, graduate students from Montclair State University and high school students from Paterson join together with small groups of elementary students to enjoy books about sports and take part in literacy-related activities. In addition, all participants attend related events that include author talks, guest lectures by athletes, and field trips to sports games and the Yoggi Berra museum.

Theatrefest for Kids

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1998 Participants Served: 1000

CONTACT INFORMATION

John Wooten, Artistic Director
Montclair State University
Montclair State University, Upper Montclair, NJ 07043
Telephone: (973) 655-7070 x97634
Email: wootenj@mail.montclair.edu

DESCRIPTION

Program Services (Academic):
Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, Cultural Activities

Precollege Program

Upward Bound Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1999 Participants Served: 50

CONTACT INFORMATION

Donna Lorenzo, Director
Montclair State University
Montclair State University, 1 Normal Avenue, Science Hall 134, Upper Montclair, NJ 07043
Telephone: (973) 655-4415
Fax: (973) 655-4073
Email: lorenzod@mail.montclair.edu
Partners: Newark, Passaic and Paterson School Districts

DESCRIPTION

The Upward Bound Program at Montclair State University assists low-income and first generation students with academic support services to increase their opportunity to graduate from high school. The main thrust of the project is to increase the skills and motivation needed to successfully complete an undergraduate course of study. Participants are recruited from the federally approved target areas of Newark, Passaic, and Paterson.

The support services offered are a five week residential program on the Montclair State University campus and an academic component that consists of eight Saturday sessions in both the fall and spring. Students receive academic enrichment and instruction in mathematics and science, tutoring, SAT review, college placement assistance and advising. The Upward Bound Program exposes students to various careers to broaden a student's perception of opportunities available and enhance their self-esteem and self concept. Securing postsecondary placement and graduation for the participants is a prime objective of the program.

Weston Science Scholars Program

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 40

CONTACT INFORMATION

Lynn English, Director
Montclair State University
1 Normal Ave., Science Hall Room 113, Montclair, NJ 07043
Telephone: (973) 655-5101
Fax: (973) 655-7047
Email: englishl@mail.montclair.edu
Partners: Montclair High School

DESCRIPTION

The vision of the Weston Science Scholars Program is to expose students to the realities of scientific research with the ultimate goal that they will choose a career path in the area of mathematics, science and/or technology and to ultimately improve scientific accomplishments and produce all kinds of advancements in medicine. The program provides scholars with a strong foundation in mathematics, science, technology and communications so they can meet the demands of the scientific community. The philosophy of the program is to instill a love for the various scientific disciplines to which they are exposed to in their research and that they will carry this passion for the rest of their lives.

Academic Enrichment Program

County College of Morris
NJ Higher Education Sector: Community College
Year Began: 1989 Participants Served: 45

CONTACT INFORMATION

Professor Alex Thurman, Professor of Mathematics
County College of Morris
CCM 214 Center Grove Rd., Randolph, NJ 07869
Telephone: (973) 328-5733
Fax: (973) 328-5703
Email: athurman@ccm.edu
Partners: Morristown and Dover School Districts

DESCRIPTION

The Summer Academy for Young Students focuses on exposing high school students to careers and courses in business, mathematics, engineering, and technology. The Academy provides students with activities to help them become aware of college life. Faculty emphasizes hands-on projects in computers, statistics and financial planning. The goal is to help students prepare for college and to provide the support that will help them identify career and educational goals.

Precollege Program

M.O.R.T. University (Mt. Olive Robotic Team)

County College of Morris
NJ Higher Education Sector: Community College
Year Began: 2001 Participants Served: 20

CONTACT INFORMATION

Nial McCabe, Professor
County College of Morris
214 Center Grove Road, Randolph, NJ 07869
Telephone: (973) 328-5761
Email: nmccabe@ccm.edu
Web Site: www.ccm.edu
Partners: Mt. Olive High School

DESCRIPTION

Mt. Olive High School participates in FIRST (For Inspiration and Research in Science and Technology). FIRST inspires students to be enthusiastic about engineering by having student groups build robots and participate in competitions. Professors from County College of Morris created M.O.R.T University to prepare students by providing them with technical skills training, computer programming and mechanical design applications. Students learn programming on BASIC STAMP microprocessors and develop machine tool and fabrication skills.

Summer Academy for Young Scholars

County College of Morris
NJ Higher Education Sector: Community College
Year Began: 1990 Participants Served: 20

CONTACT INFORMATION

Alexis Thurman, Associate Professor of Mathematics
County College of Morris
214 Center Grove Road, Randolph, NJ 07869
Telephone: (973) 328-5733
Fax: (973) 328-5703
Email: athurman@ccm.edu
Partners: Morristown, Dover and Randolph School Districts

DESCRIPTION

The Summer Academy for Young Scholars is a one-week academic enrichment program geared to encourage, enlighten and excite students about learning, study skills and leadership development. We provide hands-on workshops to promote our theme "Learning math and science is ‘fun’ damental."

College Bound/GEAR UP

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1989 Participants Served: 250

CONTACT INFORMATION

Valerie Boseman, Director
New Jersey City University
2039 Kenned Boulevard, Jersey City, NJ 07305
Telephone: (201) 200-2347
Fax: (201) 200-2348
Email: vboseman@njcu.edu
Partners: Public School #14, Public School # 40, Public School # 41, Lincoln High School, Snyder High School

DESCRIPTION

College Bound/GEAR UP is a comprehensive academic support program designed to recruit, retain and motivate students in grades 7 through 12 to successfully complete high school and enroll and graduate from college. These students are from low income families and are potential first generation college students. The program provides academic classes, tutorial services, individual and group counseling sessions. Students also participate in performing arts and recreational activities.

Precollege Program

Educational Leadership/ Union City Scholars Academy Summer Program

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 70

CONTACT INFORMATION

Dr. Carrie Robinson, Chairperson, Educational Leadership Department
New Jersey City University
2039 Kennedy Blvd., Jersey City, NJ 07305
Telephone: (201) 200-3400
Fax: (201) 200-3405
Email: crobinson@njcu.edu
Web Site: http://coeserver.njcu.edu
Partners: Union City School District

DESCRIPTION

The NJCU College of Education/Union City Scholars Academy Summer program provides the opportunity for high school students to spend a month during the summer on the NJCU campus. The purpose of the program is to provide enrichment activities in literacy and mathematics and to expose the students to the college experience. While on NJCU campus, the students also take a three credit college course. The high school students interact with NJCU students who serve as mentors during the program. In addition, they are taken on two field trips including a trip to see a Broadway play in New York City.

Future Educators/Humanities Scholars

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 2000 Participants Served: 35

CONTACT INFORMATION

Carrie Robinson, Associate Professor, NJCU
New Jersey City University
2039 Kenned Boulevard, Prof. Bldg. 343, Jersey City, NJ 07305
Telephone: (201) 200-3521
Fax: (201) 200-3141
Email: crobinsonn@njcu.edu
Partners: Jersey City School District, Irvington School District

DESCRIPTION

The goal of Future Educators/Humanities Scholars is to provide a high quality academic program for high school students interested in the humanities and education in an atmosphere which incorporates high expectations, demanding content, technology integration, and collegial support into all activities and experiences.

New Jersey Youth Corps

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1998 Participants Served: 60

CONTACT INFORMATION

Gary Patnosh and Bruce Beaman, Co-Directors
New Jersey City University
223 West Side Avenue, Jersey City, NJ 07305
Telephone: (201) 200-3101
Fax: (201) 200-2301
Email: gpatnosh@njcu.edu or bbeaman@njcu.edu
Partners: Public High Schools of Jersey City and Bayonne

DESCRIPTION

NJ Youth Corps is a year round program designed for young adults between the ages of 16 and 25, who have left high school without earning their diplomas. Youth Corps helps to provide young people with a second chance to earn their diplomas while developing necessary employment skills through meaningful community service.

Precollege Program

Project SEED

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1996 Participants Served: 1

CONTACT INFORMATION

Kenneth Yamaguchi, Associate Professor
New Jersey City University
2039 Kennedy Blvd., Jersey City, NJ 07305
Telephone: (201) 200-2097
Fax: (201) 200-3106
Email: kyamaguchi@njcu.edu
Partners: Union Hill High School

DESCRIPTION

Project SEED is a national program sponsored by the American Chemical Society to encourage economically disadvantaged high school juniors and seniors pursuing careers in the chemical sciences. Students work on research projects under a faculty mentor and receive a salary during a ten-week internship. Their work is presented at several chemical meetings throughout the region. The Chemistry Department has been actively involved in this program for the past ten (10) years, accepting 21 students primarily of Hispanic decent. The funding of Project SEED students requires a one-to-one match from institutional or industrial sources.

Proyecto Access

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1997 Participants Served: 140

CONTACT INFORMATION

Julio Guillen, Professor Mathematics
New Jersey City University
2039 Kennedy Boulevard, Jersey City, NJ 07305
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Email: jguillen@njcu.edu
Partners: schools in Bayonne, West New York, Jersey City, North Arlington and Secaucus

DESCRIPTION

Proyecto Access is an educational consortium created in 1996 by the Office of Equal Opportunity Program (OEOP), Minority University Research and Education Division (MURED) of the National Aeronautics and Space Administration (NASA) and administered by the Hispanic Association of Colleges and Universities (HACU). The consortium consists of HACU and nine of its Hispanic serving institutions in eight states in the United States. Its main function is to conduct an eight-week summer program in science, mathematics and computer science at these institutions.

The basic structure of Proyecto Access is modeled after an extremely successful summer program in Texas called the Texas Pre-freshman Engineering Program (TexPREP). TexPREP was started in 1979 at the University of Texas at San Antonio by Dr. Manual Berriozabal and now operates in 23 Texas community and senior college campuses in 12 Texas cities. The program curriculum consist of three summer sessions called Prep1 (7th grade students), PREP2 (returning PREP1 students) and PREP3 (returning PREP2 students).

Proyecto Science

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1997 Participants Served: 90

CONTACT INFORMATION

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New Jersey City University
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Web Site: <http://www.njcu.edu/programs/proyectoscience/>
Partners: schools in Bayonne, Jersey City and West New York

DESCRIPTION

Proyecto Science's mission is to identify middle and high school students with an interest and potential for careers in engineering, science, technology and other mathematics-related areas and to reinforce their pursuit of these fields. The goals of the program are to develop abstract reasoning and problem solving skills necessary for successful college studies in mathematics, to acquire hands-on experience in science, mathematics and engineering projects and to acquire expertise in the use of modern technology and the Internet as instruments for learning. Students participate in classes and activities related to mathematics, statistics, programming, robotics, engineering, music, photography, journalism, career awareness seminars and field trips. There is no charge for the students and several participating school districts provide transportation and lunch for their students.

Precollege Program

Upward Bound

New Jersey City University
NJ Higher Education Sector: State College or University
Year Began: 1995 Participants Served: 60

CONTACT INFORMATION

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Partners: Lincoln, Ferris, Dickinson High Schools

DESCRIPTION

The Upward Bound Program is a comprehensive academic support program designed to recruit, retain and motivate students in grades 9 through 12 to successfully complete high school and prepare to enter and graduate college. The program provides academic instruction during the academic year in lab sciences, history, foreign language, mathematics, computer skills and English classes. Standardized preparatory classes are held throughout the academic year and during the summer program. Tutoring, mentoring, and individual and group counseling classes are offered. Students also participate in performing arts and recreational activities.

Consortium for Pre-College Education in Greater Newark/GEAR UP

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1986 Participants Served: 533

CONTACT INFORMATION

Dr. Jesse G. Jackson, Executive Director
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University Heights, Newark, NJ 07102-1982
Telephone: (973) 596-5762
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Email: jacksonj@njit.edu
Web Site: <http://www.njit.edu/PCOLC>
Partners: East Orange, Irvington, Newark School District, Rutgers University-Newark, University of Medicine and Dentistry of New Jersey

DESCRIPTION

The Consortium for Pre-College Education in Greater Newark is a collaboration between New Jersey Institute of Technology, Rutgers-Newark College of Arts and Sciences, and the University of Medicine and Dentistry of New Jersey. The program is designed to incorporate the State Core Curriculum Content Standards into our courses to enhance students' academic skills within the basic disciplines of mathematics, science, language arts and computer literacy. It is our objective to ensure that program participants are prepared for admission to and graduation from postsecondary institutions.

Elizabeth High School CAP Partnership @ NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2004 Participants Served: 6 students

CONTACT INFORMATION

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Newark, NJ
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Email: muldrow@adm.njit.edu
Web Site: <http://www.njit.edu/precollege>
Partners: NJIT, Elizabeth High School, Conoco Phillips, Bayway Refinery, Cogen Technologies Linden Venture, Infineum USA L.P.

DESCRIPTION

The goal of this partnership is to afford Elizabeth High School students the opportunity and financial resources to attend a residential, summer program at NJIT. The University provides these students with college credit for successful completion of the courses. Urban youngsters are allowed to experience, first hand, STEM courses that are offered on a campus that specializes in technologically oriented coursework

Precollege Program

Engineering Prep Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1994 Participants Served: 25

CONTACT INFORMATION

Rosa M. Cano, Director, EPBP Program
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
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Email: cano@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark School District

DESCRIPTION

The Engineering Preparatory Program is a nontraditional five-week program designed to help students overcome their anxiety about physics and mathematics, the cornerstones of the engineering curriculum. Engineering Prep will help prepare students to succeed in high school advanced mathematics and physics courses. Through classroom discussions, lectures, lab experiments, demonstrations, projects and field trips, participants will learn advanced mathematics, geometry, trigonometry and precalculus/calculus, physics, engineering principles, higher level problem-solving strategies, computer programming and applications, and written and oral communications. Students will also receive preparation training for the SAT exam.

Explore Careers in Technology and Engineering - EXCITE

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 25

CONTACT INFORMATION

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New Jersey Institute of Technology
University Heights, Newark, NJ 07102
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Partners: Newark School District

DESCRIPTION

Explore Careers in Technology and Engineering (EXCITE) is designed to encourage post-seventh-grade students to learn about careers in technology and engineering. Students participate in a series of laboratory modules in environmental engineering, aeronautical engineering, chemical engineering, biomedical engineering and computer science.

Students also receive test preparation training for the Grade Eight Proficiency Assessment (GEPA) in language arts, mathematics, and science through nontraditional, innovative methodologies, techniques and strategies that will help students become "smarter test takers." Through classroom work, activities, workshops and field trips, participants will enrich their computer, mathematics, science and communications skills while increasing their critical-thinking and problem-solving abilities.

IChIME

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1980 Participants Served: 24

CONTACT INFORMATION

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Partners: Passaic School District, Essex School District, Union School District

DESCRIPTION

The Introduction to Chemical Industry for Minorities in Engineering (IChIME) program is a four-week project designed to give post-eighth-grade minority students an opportunity to increase their understanding, awareness, and participation in the fields of chemistry and chemical engineering. The program includes formal classroom work, laboratory activities, projects, seminar sessions, and field trips. Participants learn about chemistry and chemical engineering, environmental science, computer programming, and applications.

Precollege Program

NJIT/GEAR-UP Partnership Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1999 Participants Served: 324

CONTACT INFORMATION

Mr. Anthony Robinson, Director, GEAR UP Partnership Program
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Web Site: <http://www.njit.edu/precollege>
Partners: Camden Middle Technology School, West Side High School, The Newark Public School District, The New Jersey Department of Corrections, The New Jersey Community Resource Initiative

DESCRIPTION

The GEAR-UP Partnership goal is to provide its students with academic enrichment skills and motivation needed to complete middle school, prepare for college preparatory coursework in high school, and successfully attend post-secondary institutions. In addition, the GEAR-UP Partnership collaborates with parents, teachers, administrators, and community partners, for systemic change and improvement in curriculum, instruction and programming.

During the summer and the academic year services are provided to the students including standardized test preparation, academic enrichment programs, career guidance, academic counseling, tutorials, mentoring, and referrals to other services. To support systemic change, the project also provides parent and teacher workshops, as well as attends School Leadership Council meetings.

Pre-college Academy

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1989 Participants Served: 60

CONTACT INFORMATION

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Web Site: www.njit.edu/old/precollege/academy.html

DESCRIPTION

The Pre-college Academy at NJIT is an academic year program for high-ability high school students who want to get a jump on their college careers. The Academy is designed for participants to earn college credits in customized Saturday classes taught by faculty who have been recognized for their commitment to teaching excellence. At the end of the Academy, grades are recorded on an NJIT transcript. Course credits can be applied toward an undergraduate degree at NJIT and at most other colleges and universities.

Pre-Engineering Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1983 Participants Served: 125

CONTACT INFORMATION

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University Heights, Newark, NJ 07102
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Partners: various school in Essex County

DESCRIPTION

The Pre-Engineering Program (PrEP) is a four-week project designed to provide post-sixth-grade students with an introduction to various disciplines in engineering. This program gives students an opportunity to enhance their mathematics, science, communications, and technological academic achievement, develop problem-solving and critical-thinking skills, and learn about careers in engineering, science and technology. Through classroom discussions, hands-on laboratory experimentation, computer activities, and field trips, participants are introduced to engineering concepts and applications to everyday life.

Precollege Program

Project GRAD Summer Institute at NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1998 Participants Served: 75

CONTACT INFORMATION

Armand Berliner, Director, Project GRAD
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Partners: Malcolm X. Shabazz High School, Central High School

DESCRIPTION

The New Jersey Institute of Technology (NJIT) is the host site for the Project GRAD 2004 program for Newark's Central High School and Malcolm X. Shabazz rising 10th-grade students. There are approximately 50 participants chosen from among the students who select the "Engineering Academy" track at Central and those who are considering engineering and science as career goals. The highlight of the NJIT program is a one-week residential experience at the New Jersey Marine Sciences Consortium at their site at Sandy Hook, NJ. Students stay at the Monmouth University dormitories.

Talent Search

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1991 Participants Served: 1000

CONTACT INFORMATION

Henry McCloud, Director
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Email: mccloud@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark Public Schools

DESCRIPTION

Program Services (Academic):
Remedial Instruction, Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Fairs, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

The Algebra Prep Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1999 Participants Served: 25

CONTACT INFORMATION

Rosa M. Cano, Associate Director, Center for Pre-College Programs; Director, Algebra Prep Program
New Jersey Institute of Technology
University Heights, Newark, NJ 07102-1982
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Email: cano@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark School District

DESCRIPTION

The Algebra Prep Program is a four-week preparatory program for students entering the 8th or 9th grade who will be enrolling in Algebra I. The program is design to prepare these students to successfully complete Algebra I, and encourage them to choose advanced mathematics and college preparatory courses in high school. AP academic curricula are designed to help students overcome math anxiety by providing participants with opportunities to master Algebra concepts and higher-level problem-solving skills. The structure of the program includes classroom discussions and lectures, projects, portfolio assignments, homework, learning circles, tests, and field trips. Participants will learn Algebra I, communication skills, computer applications, and receive PSAT exam preparation. Problem-solving skills are stressed throughout the program, allowing the students to feel confident in their abilities to make decisions, while encouraging them to attain their academic potential through hands-on projects related to scientific and engineering disciplines. Students work in teams in an effort to increase group dynamic skills.

Precollege Program

The Experimental Math, Science and Communications Program

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1984 Participants Served: 25

CONTACT INFORMATION

Rose Dios PhD, Director
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Web Site: www.njit.edu/precollege
Partners: Newark School District

DESCRIPTION

The EMSCP project is a four-week program designed to enrich students' mathematics and science backgrounds while increasing their critical thinking and problem-solving abilities. Through classroom work, hands-on lab experimentation and constructive activities, workshops, and field trips, participants will learn to focus on relationships between mathematical concepts and their applications in science and everyday life. The structure of the program includes classroom discussion, lectures, projects, portfolio assignments, homework, study groups, rubric assessments, tests, and field trips. Academic curricula provide students with opportunities to master higher-level problem-solving skills in mathematics, science and technology, learn about computer science and engineering principles, and become prepared and motivated to choose mathematics, science, and technology college preparatory courses in high school.

The Perth Amboy Scholars (PAS) @ NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 50 students

CONTACT INFORMATION

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Partners: NJIT, Perth Amboy Public Schools

DESCRIPTION

The goal of the Perth Amboy Scholars Program (PAS) @ NJIT is to increase the number of urban students pursuing and successfully completing careers in science, technology, engineering and mathematical (STEM) fields.

This goal will be accomplished by: enhancing students’ mathematics and science achievement while developing their problem solving & critical thinking skills; maintaining students' interest in STEM fields during the secondary school years by encouraging high school students to take college courses for college credit in STEM subjects; encouraging students to learn about careers and pursue studies in STEM areas; and promoting students’ healthy self-esteem and positive self-efficacy, inspiring feelings of competency while challenging their fear of failure.

Student instruction in environmental science, engineering, mathematics, chemistry, computer applications, and language arts is provided through classroom discussions, lectures, laboratory experiments, projects and field trips in the summer (New Jersey Core Curriculum Standards). They have structured daily athletic activities to promote team-building and reinforce classroom principles of teamwork.

Upward Bound

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1989 Participants Served: 60

CONTACT INFORMATION

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Email: mccloud@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: Newark Public Schools

DESCRIPTION

The Upward Bound Program at New Jersey Institute of Technology is a free program funded by the U.S. Department of Education. The program is designed to a) assist and motivate students to succeed and graduate from high school, and b) prepare students to enroll and complete a postsecondary education of their choice. It is our goal to encourage students to pursue careers in the science and technological fields. We offer academic instruction and tutorial; personal counseling; college planning and placement; financial advising; educational, cultural and recreational activities; workshops and seminars; and field trips.

Precollege Program

Upward Bound Math/Science

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1991 Participants Served: 50

CONTACT INFORMATION

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Telephone: (973) 596-5841
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Web Site: www.njit.edu/precollege

DESCRIPTION

Each summer, we accept students from New Jersey, New York, Puerto Rico and the Virgin Islands. The highlights of our program are the 5-week summer residential program and our faculty mentoring project. During the school year, we have follow-up activities for local students.

Urban Civil Engineering Summer Institute

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1971 Participants Served: 25

CONTACT INFORMATION

Harold Deutschman, Director, Urban Civil Engineering Summer Institute
New Jersey Institute of Technology
University Heights, Newark, NJ 07102
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Email: deutschmanh@adm.njit.edu
Web Site: www.njit.edu/precollege
Partners: area high schools in Newark

DESCRIPTION

The Urban Civil Summer Institute (UCESI) is a five-week program designed to provide post-ninth-grade students with a unique exposure to the profession of civil engineering. Students are introduced to engineering through challenging classroom and laboratory activities. Participants learn about principles of engineering, mathematics, computer programming and applications, transportation, urban planning and design, and communications.

Women in Engineering & Technology Initiative-FEMME Program at NJIT

New Jersey Institute of Technology
NJ Higher Education Sector: Public Research University
Year Began: 1983 Participants Served: 125

CONTACT INFORMATION

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Web Site: www.njit.edu/precollege
Partners: area schools in Newark

DESCRIPTION

The Women in Engineering and Technology Initiative-FEMME Program is a four-week program designed to provide post-fourth through tenth-grade girls with opportunities to enhance their mathematics and science academic achievement, develop their problem-solving and critical thinking skills, promote their self-esteem and self-confidence, and encourage them to choose careers in scientific and technological fields in which women are traditionally underrepresented.

The program provides an intensive four-week summer component for each of five different groups of female students and will include classroom discussions, lectures, laboratory experiments and demonstrations, projects, and field trips.

Precollege Program

Urban Consortium Upward Bound

Passaic County Community College
NJ Higher Education Sector: Community College
Year Began: 2003 Participants Served: 50

CONTACT INFORMATION

Clarence Wright, Director of Urban Consortium
Passaic County Community College
1 College Boulevard, Patterson, NJ 07505
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Email: cwright7@pccc.edu
Web Site: www.pccc.edu
Partners: Paterson and Passaic School Districts

DESCRIPTION

The mission of the Upward Bound Program is to empower eligible high school students to increase their academic skills in order to achieve a higher education. Upward Bound serves high school students from low-income families or high school students from families in which neither parent holds a bachelors degree. Upward Bound provides instruction in math, science, composition, literature, and foreign language.

Urban Consortium: Supplemental Services Provider

Passaic County Community College
NJ Higher Education Sector: Community College
Year Began: 2004 Participants Served: 300

CONTACT INFORMATION

Clarence Wright, Director, Urban Consortium
Passaic County Community College
1 College Boulevard, Patterson, NJ 07505
Telephone: (973) 684-5201
Email: cwright7@pccc.edu
Web Site: www.pccc.edu
Partners: Paterson and Passaic School Districts

DESCRIPTION

The Supplemental Services Provider Program will begin in the Fall of 2004. The program will provide tutoring to a maximum of 300 students after school, during the academic year.

Urban Education Consortium College Bound Program

Passaic County Community College
NJ Higher Education Sector: Community College
Year Began: 1986 Participants Served: 175

CONTACT INFORMATION

Clarence Wright, Executive Director
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1 College Boulevard, Paterson, NJ 07111
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Fax: (973) 279-9327
Email: cwright7@pccc.edu
Web Site: www.pccc.edu
Partners: Patterson and Passaic School Districts

DESCRIPTION

The mission of the Passaic County Community College, College Bound Program is to support 9th through 12th grade students in completing high school and preparing for a college career, primarily focusing on science, math and technology.

The program is designed to provide students with tutoring, academic and personal counseling; financial aid and college admissions counseling; counseling and job search skills; and introduction to the various career opportunities in the field of science, math and technology. The program also provides parents the opportunity to participate in activities that relate to their child's academic instruction and their own personal development.

Precollege Program

College Bound/ROOTS

Ramapo College
NJ Higher Education Sector: State College or University
Year Began: 1998 Participants Served: 70

CONTACT INFORMATION

Carol Frishberg Ph.D., Professor of Chemistry
Ramapo College
505 Ramapo Valley Road, Mahwah, NJ 07430-1680
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Partners: Patterson School District, Passaic County

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Ramapo College Upward Bound Math-Science

Ramapo College
NJ Higher Education Sector: State College or University
Year Began: 1996 Participants Served: 51

CONTACT INFORMATION

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505 Ramapo Valley Road, Mahwah, NJ 07430-1680
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Email: cfrishbe@ramapo.edu
Partners: Paterson and Newark School Districts

DESCRIPTION

Program Services (Academic):
Computer Skills Training, Study Skills Training, Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development, Grade & Attendance Monitoring,

Program Services (Other):
Social Skills Development/Confidence Building, Leadership Development, Campus Visits & Tours, College Awareness, Career Counseling, Mentoring, Personal Counseling, Cultural Activities

Precollege Program

Project GRAD

Rutgers University
NJ Higher Education Sector: Public Research University
Year Began: 1999

CONTACT INFORMATION

Jean E. Giaimis, Co-Director
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Partners: Central High School, Malcolm X Shabazz High School

DESCRIPTION

Project GRAD (Graduation Really Achieves Dreams) is a program which began in Texas in the early 1990's. It is funded by Lucent Technologies Foundation. This program was brought to Newark, New Jersey in 1999. At that time, Rutgers-Newark and other academic institutions within Essex County became the host school for the Project GRAD students who were members of Malcolm X Shabazz High School.

The purpose of the program is to: assist in student retention within the high school; create awareness of college life; develop an attitude of academic culture within each student's mindset; create awareness of possible professional careers; and engender an interest on the part of the students to make college a goal.

Each summer, each host school chooses a theme and shapes the curriculum for the 4 weeks the Project GRAD Scholars are on their respective campuses. The summer 2004 theme at Rutgers-Newark was "Sustainability of the Environment." The academic curriculum was shaped in such a way as to challenge and intellectually stimulate the students and at the same time stress certain New Jersey Core Academic Standards.

Saturday Academy

Rutgers University
NJ Higher Education Sector: Public Research University
Year Began: 1989 Participants Served: 100

CONTACT INFORMATION

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175 University Ave., Newark, NJ 07102
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Partners: high schools in Irvington and Newark

DESCRIPTION

The Saturday Academy was established in 1983 for the purpose of preparing high school juniors for the Scholastic Aptitude Test (SAT). The program has served a total of approximately 1000 students between 1989 and 2000. The goals of the Academy are the following to improve students' test-taking strategies and to improve students' intellectual approach to learning.

The Saturday Academy is a review program that serves the Newark and Irvington School districts. The program, which is 4 semesters long, runs for a total of 18 weeks during the academic year. The Saturday Academy is unique in that it educates the "whole student." While substantive instruction is given in mathematics and in language arts, the program also engenders within its students a sense of being part of a learning community. To this end, the program is noncompetitive and insures that instructors manifest a caring attitude towards students. Academic advising is provided in the fall semester both to the students as a group and to individual students. This component of the Academy entails a discussion of financial aid planning, college choices and essay writing for admission to colleges. Because the Academy realizes the importance of including parents as advocates for their child's future, seminars are also provided for the parents.

Precollege Program

Summer Ethics Institute

Rutgers University Business School
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 30

CONTACT INFORMATION

Edwin M. Hartman, Professor
Rutgers University Business School
111 Washington Avenue, Newark, NJ 07102
Telephone: (973) 353-5987
Email: hartman@business.rutgers.edu
Web Site: <http://www.pruethics.rutgers.edu>
Partners: high schools in Newark

DESCRIPTION

The mission of the program is to educate Newark-area high school students in ethics, particularly with respect to business. We aim to introduce business as an honorable and interesting profession and to give students a sense of the importance of college-level introductory work. The students take a series of seminars, led mostly by Rutgers faculty, on appropriate subjects. They live in dormitories and experience life at the Rutgers-Newark campus.

Project SEED

Rutgers University Newark
NJ Higher Education Sector: Public Research University
Year Began: 1990 Participants Served: 2

CONTACT INFORMATION

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Telephone: (973) 353-5329
Fax: (973) 353-1264
Email: ugrad@newark.rutgers.edu
Web Site: <http://chemistry.rutgers.edu>

DESCRIPTION

The American Chemical Society funds Project SEED and supports students from economically disadvantaged families in summer research positions. High school students in the junior or senior year work with faculty on science projects in research laboratories. They present their findings at a symposium in September.

Friday Afternoon Chemistry Outreach

Rutgers University-Newark
NJ Higher Education Sector: Public Research University
Year Began: 1992 Participants Served: 12

CONTACT INFORMATION

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Rutgers University-Newark
73 Warren Street, Newark, NJ 07102
Telephone: (973) 353-5329
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Email: ugrad@newark.rutgers.edu
Web Site: <http://chemistry.rutgers.edu>
Partners: Arts High School

DESCRIPTION

During the spring term, students from Arts High School in Newark meet with faculty from the Chemistry Department at Rutgers University-Newark. Students, with the faculty's assistance, run experiments and participate in laboratory demonstrations. The meetings are held in a teaching laboratory in the Chemistry Department at the university.

Precollege Program

Project M.O.S.T. Middle School Opportunities in Science & Technology

Rutgers University-Newark
NJ Higher Education Sector: Public Research University
Year Began: 2002 Participants Served: 93

CONTACT INFORMATION

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Email: cgriffin@andromeda.rutgers.edu
Partners: G.W. Carver Middle School, North Star Academy Middle School

DESCRIPTION

The primary goal of Project M.O.S.T. is to ensure that each middle school student maintains high academic achievement in science, as well as cultivates an interest in pursuing a career in science. Through tutoring, hands-on science experiments, enrichment field trips, and other stimulating activities, Project M.O.S.T. will help students explore the world of science while simultaneously expanding their horizons. Hopefully, by exposing the students to new ideas and resources at Rutgers University, they will maintain high academic performance and aspire to go to college.

Shabazz Project

Rutgers University-Newark
NJ Higher Education Sector: Public Research University
Year Began: 1997 Participants Served: 20

CONTACT INFORMATION

Alexander Sannella, Associate Professor, Accounting
Rutgers University-Newark
180 University Avenue, Newark, NJ 07102
Telephone: (973) 353-5680
Fax: (973) 353-1283
Email: sannella@rci.rutgers.edu
Partners: Shabazz High School, Westside High School

DESCRIPTION

The Shabazz Project is a summer camp in accounting, sponsored by PricewaterhouseCoopers in conjunction with the National Association of Black Accountants. Twenty students are selected to participate in a three credit college course; tuition and fees are waived. Students from the high schools also participate in field trips to local accounting offices, workshops, and CASE competitions.

Summer Scholar Program

Saint Peter's College
NJ Higher Education Sector: Independent College or University
Year Began: 1970 Participants Served: 75

CONTACT INFORMATION

Anna Brown, Ph.D., Director/Assistant Professor
Saint Peter's College
2641 Kennedy Blvd, Jersey City, NJ 07306
Telephone: (201) 915-9242
Web Site: www.spc.edu

DESCRIPTION

Program Services (Academic):
Academically accelerated courses below the college level, e.g. A.P., Reading/Writing Instruction, Math/Science Instruction, Critical Thinking Skill Development

Program Services (Other):
Social Skills Development/Confidence Building, College Awareness, Career Counseling, Mentoring, Cultural Activities

Precollege Program

Educational Talent Search Project

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 1968 Participants Served: 847

CONTACT INFORMATION

Yocasta Ramos, Director
Seton Hall University
2312 Mickle Street, Camden, NJ 08105
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Email: ponderer@shu.edu
Partners: Newark School District

DESCRIPTION

The Educational Talent Search Project of Seton Hall University is a federally-funded career and college counseling program servicing economically disadvantaged students in Newark's public and parochial schools. The Project's primary goal is to encourage and assist students to apply and gain admission to institutions of higher education, technical schools, or continuing education programs throughout the United States. Participants are provided with personal support counseling and the academic and financial aid information necessary for success in college. The Project also supports other students who are referred to the program via community agencies and other sources.

Upward Bound Project

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 1966 Participants Served: 150

CONTACT INFORMATION

Erwin Ponder, Director
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Mooney Hall, 400 South Orange Ave., South Orange, NJ 07079
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Fax: (973) 275-2197
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Partners: Newark, East Orange, Orange and Livingston School Districts

DESCRIPTION

The Seton Hall University Upward Bound Project combines federal and private funding to offer academic, counseling and cultural enrichment activities for disadvantaged, "at-risk" students in grades 9-12. The academic curriculum is High School Proficiency Assessment (HSPA)-based and conforms to the New Jersey Core Curriculum Content Standards. The project provides a full-time, six-week Adventure Based Learning non-residential summer program and a 24-week (Saturday only) academic year program for 200 low-income, first-generation high school students from the cities of Newark, Orange, East Orange, Irvington, Elizabeth, and Plainfield, New Jersey.

STEP Upward Bound Project

Stevens Institute of Technology
NJ Higher Education Sector: Independent College or University
Year Began: 1968 Participants Served: 66

CONTACT INFORMATION

Anthony C. Culpepper Jr., Director, Upward Bound Project
Stevens Institute of Technology
One Castle Point on Hudson, Hoboken, NJ 07030
Telephone: (201) 216-5387
Fax: (201) 216-8946
Email: aculpepp@stevens-tech.edu
Partners: Newark, East Orange, Orange, Hoboken, Jersey City and Union City School Districts

DESCRIPTION

The Upward Bound Project at Stevens Institute of Technology is a science, mathematics, and engineering program which generates in high school students the skills and the motivation necessary to successfully complete a high school education and then pursue and complete a post secondary baccalaureate degree in science, mathematics and engineering. The Upward Bound Project provides services to low-income and first- generation high school students to enhance and develop their learning skills, which assure students' success in science, mathematics, and engineering curricula at all educational levels and careers.

The goal of the Upward Bound Project is to introduce participants who are underrepresented in the professions of science, mathematics, and engineering to an intense academic curriculum, exposure trips in science and engineering, cultural activities, and college field trips.

Precollege Program

The NJMS Smart Initiative

UMDNJ - New Jersey Medical School
NJ Higher Education Sector: Public Research University
Year Began: 1995 Participants Served: 150

CONTACT INFORMATION

Carmen McLaughlin, Assistant Director
UMDNJ - New Jersey Medical School
185 South Orange Avenue, MSB, A-550, Newark, NJ 07103
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Email: guzmancl@umdnj.edu
Partners: Newark School District

DESCRIPTION

Hispanic Center of Excellence Gifted and Talented Elementary School Program - This is a weekend academy for Gifted and Talented Hispanic youth who have expressed an interest in science. The program, jointly sponsored with the FOCUS Hispanic Community Development Center I Newark, is offered for 20 Saturdays for students in grades 3-8. Hispanic Center of Excellence Summer Youth Program - The program's goal is to support the interest of Hispanic high school students in science and biomedical careers through exposure to clinical medicine. Academic enrichment includes leadership workshops, SAT preparation, interviewing techniques, and anatomy instruction.

Hispanic Center of Excellence InFoMed Program (Pre-college and undergraduate component)- This program complements existing NJMS summer academic enrichment programs by offering academic year, monthly workshops for Hispanic high school and undergraduate/graduate level students interested in entering a health profession, including medicine. Under this program, individual counseling is also provided.

Future American Scientist*Secondary/Teachers (FAS*S/T) Program - The program's goal is to expose 9th or 10th grade students to dissections, optical illusion, biomedical techniques, ethno mathematics, computer-interactive anatomy studies, career counseling, and skills development. This program is conducted every summer at Rutgers University, Newark Campus.

The NJMS Smart Initiative - Science, Math, and Related Topics

UMDNJ - New Jersey Medical School
NJ Higher Education Sector: Public Research University
Year Began: 1995 Participants Served: 150

CONTACT INFORMATION

Kathy Ann Duncan, M.D., Clinical Assistant Professor
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Web Site: <http://www.umdnj.edu/smartweb>
Partners: Newark, East Orange, Irvington School Districts

DESCRIPTION

The mission of the SMART Program is to increase the awareness and interest of traditionally underrepresented minorities in science and health-related careers. The program offers students a chance to practice and develop "high order" thinking skills and the domain-independent competencies necessary for academic and workplace success. The program, designed for students grades 8th through 12th, is a set of precollege activities, including leadership training, problem solving, math and computer classes, college tours, and oral and written presentations. The students spend their time not only learning but having fun.

NJMS SMART Initiatives include:

BIOTREK: The Way to Go! - A program that explores human biology. Sample topics: body systems, muscles and bones, physics of motion, respiration, and injury prevention. Math, computers, and lots of field trips are also included. Applicants must currently be in 7th grade.

Fantastic Voyage - A program of scientific discovery. Sample topics: flight, sound, circulatory system, growth rates, ratios and proportions, tables and graphs. Math, computers, and lots of field trips are also included. Applicants must currently be in 8th grade.

EnviroQUEST - Explore connections between health, science, and environment. Emphasis on laboratory and research skills. Sample topics: bacteria, water, lead, poisons, radioactivity. Lots of field trips are also included. Applicants must currently be in 9th grade.

Mission: Health - Learn what becoming a health professional involves. Emphasis on community service and case-based learning where students work in small groups with medical students from UMDNJ to discuss health-related topics. Applicants must currently be in 10th grade.

Biomedical & Health/AP Sciences Research Apprenticeships - Participants work with professionals in classroom, clinical and/or research settings. AP science courses, SAT prep, college tours, college counseling, and lectures by health professionals are also offered. Applicants must currently be in 11th grade.

Precollege Program

Hispanic Center of Excellence Summer Youth Program

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 1981 Participants Served: 25

CONTACT INFORMATION

Maria L. Soto-Greene, M.D., Senior Associate Dean for Education
University of Medicine and Dentistry of New Jersey
185 South Orange Avenue, MSB, C696, Newark, NJ 07103-2714
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Partners: variety of high schools in the area

DESCRIPTION

The Hispanic Center of Excellence Summer Youth Program is a six-week federally funded program that begins in June and ends in August. This program is for students who have completed the 10th- or 11th-grade and are interested in science. During this period, students are exposed to the practice of medicine, SAT preparation, CPR certification, anatomy instruction, participation in a research project, and visits to colleges. Career counseling and skills development are also provided for program participants to ensure academic success.

Urban Scholars Program

University of Medicine and Dentistry of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 1990 Participants Served: 10-15

CONTACT INFORMATION

Clinton Dozier, Director, Pre-College Programs, UMDNJ-School of Health Related Professions
University of Medicine and Dentistry of New Jersey
Newark, NJ
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Email: dozier@umdnj.edu
Partners: Newark Public Schools, East Orange Public Schools, Irvington Public Schools

DESCRIPTION

The goal of the Urban Scholars Program is to prepare underrepresented minorities for careers in the health professions. The program's objectives are to provide an advanced enrichment experience so that graduating seniors can get a head start on their first year in college, and to expose students to a variety of health care professions. During the summer students take courses in pre-calculus, mathematics, and the art of academic survival. Tutoring, academic advisement and counseling sessions were also provided. Student engaged in research projects with faculty and/or University staff. Field trips are provided and students complete 6 hours of community service.

Pre-College Academy/Project GRAD Newark

William Paterson University
NJ Higher Education Sector: State College or University
Year Began: 2001 Participants Served: 19

CONTACT INFORMATION

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William Paterson University
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Partners: Malcolm X Shabazz High School, Central High School

DESCRIPTION

The goal of the project is to provide students with a developmental education program that emphasizes specific courses that will enable students to reinforce and/or develop their academic skills and abilities. Another goal of the project is to make students aware of the rigors of college life (i.e. course work, residence hall life, and collaborative study techniques) so that they will make a smooth transition from high school to college when the time occurs.

Pre-Service Clinical Placements

Social Work Field Internship Program

Rutgers, The State University of New Jersey, Newark campus
NJ Higher Education Sector: Public Research University
Year Began: 1995 Participants Served: 10 schools and 11 social work students

CONTACT INFORMATION

Phylis Peterman, Chair of the Department of Social Work
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Email: cdobos@andromeda.rutgers.edu

Partners: Rutgers University, Department of Social Work, Non-profit community agencies, Government agencies, including various school districts, Privately funded agencies

DESCRIPTION

The goal of the partnership between the Department of Social Work and community social service agencies is to educate students who as social work practitioners will work in an array of agency settings and with a variety of client populations. At the community service agency, where they are placed as unpaid interns, students are assigned various learning opportunities to develop their skills and apply their knowledge from the classroom to the agency setting while upholding the values and ethical principles of the profession of social work.

During the academic year, the Department of Social Work partners with community agencies, a number of which are schools, to provide services to pre-school, elementary, middle school, and secondary school students. These services consist of one-to-one counseling, information and referral, development of small groups, organizing community events and activities, and parent outreach. The department also collaborates with Quitman Saint School to implement an annual conference, "Caring for the Whole Child."

Cranford Public Schools/Seton Hall University's Professional Development Schools

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 1999 Participants Served: approx. 800 students

CONTACT INFORMATION

Deborah Strazza, Director of Field Placement and Supervision
Seton Hall University
400 South Orange Ave., South Orange, NJ 07079
Telephone: 963.275.2010
Email: strazzsde@shu.edu

Partners: Cranford Public Schools, Seton Hall University College of Education and Human Services

DESCRIPTION

The four main goals of this professional development school partnership are to provide supportive clinical settings in which teacher candidates engage in pre-service training; provide professional development to partner educators; promote and conduct inquiry that advances teaching knowledge and skills; and provide exemplary education for students.

A Seton Hall University coordinator is on-site in Cranford once a week, providing support and supervision for teacher candidates. A Cranford coordinator provides daily support and supervision for candidates and cooperating teachers. Group reflective sessions are held regularly to address concerns and provide collaborative support. Classes are taught on-site.

Pre-Service Clinical Placements

Lakeview School, Edison / College of Education and Human Services, SHU

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 1999 Participants Served: 78

CONTACT INFORMATION

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Partners: Lakeview School, SHU College of Education and Human Services

DESCRIPTION

The Lakeview School is operated by the Cerebral Palsy Association of Middlesex County. It is an intensive countywide agency that provides educational programs and services to children who cannot be served appropriately in regular classrooms or in the special education programs of their local school districts. The common disability among Lakeview students is cerebral palsy. The intensity of the experience provides our candidates with the opportunity to work with Lakeview students in the classroom and in "specials" e.g. physical therapy, occupational therapy, and speech therapy, as well as with the staff who make aids for the students (wheelchairs, walkers, etc.)

All candidates work closely with staff, providing quality educational experiences for both Lakeview students and Seton Hall candidates. The College of Education and Human Services provides professional development workshops for the Lakeview staff.

Millburn Regional Day School/College of Education and Human Services

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2003 Participants Served: 110 students

CONTACT INFORMATION

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Partners: Millburn Regional Day School, College of Education and Human Services

DESCRIPTION

Millburn Regional Day School is operated by Bergen County Special Services. Millburn Regional Day School offers education programs and services to children who cannot be served appropriately in regular classrooms or in special education programs in their local school districts. The students are multiply-handicapped, with disabilities ranging from cerebral palsy to deaf/blind/nonambulatory, compounded by severe developmental disabilities. The school also has a highly successful career-training program, partnering with businesses throughout the state. Seton Hall interns and teacher candidates have successful experiences working with Millburn students and their cooperating teachers.

Millburn Regional Day School provides supportive clinical experiences to candidates, working with persons of multiple disabilities, both in classrooms and in the career training program. The College of Education and Human Services provides professional development for Millburn Regional Day School teachers.

Professional Development for Teachers

Academy Street School/Centenary College Professional Development Schools

Centenary College
NJ Higher Education Sector: Independent College or University
Year Began: 2003 Participants Served: 40

CONTACT INFORMATION

Dr. John F. Autore, Assistant Professor of Education
Centenary College
P.O. Box 200, Hackettstown, NJ
Telephone: 908.852.1400 x 2326
Email: autorej@centenarycollege.edu
Partners: Centenary College, Academy Street School, Dover Board of Education

DESCRIPTION

Administrators, faculty, and staff at the three PDS schools will be entitled to register for classes at Centenary College for one-half the regular tuition rate. Additionally, courses will be offered at a PDS school site for in-service teachers, also at one-half tuition. PDS faculty will be encouraged to attend workshops on the Centenary campus. Student teachers intern at PDS schools and interact on a variety of levels with school professionals. Although the wording used by each organization varies, they concur that such schools provide a clinical setting for pre-service education, engage in professional development for practitioners, promote and conduct inquiry that advances knowledge of schooling, and provide an exemplary education for a segment of P-12 students.

Hackettstown Middle School/Centenary College Professional Development Schools

Centenary College
NJ Higher Education Sector: Independent College or University
Year Began: 2004 Participants Served: 50

CONTACT INFORMATION

Dr. John F. Autore, Assistant Professor of Education
Centenary College
P.O. Box 200, Hackettstown, NJ
Telephone: 908.852.1400 x 2326
Email: autorej@centenarycollege.edu
Partners: Centenary College, Hackettstown Middle School, Hackettstown Board of Education

DESCRIPTION

Administrators, faculty, and staff at the three PDS schools will be entitled to register for classes at Centenary College for one-half the regular tuition rate. Additionally, courses will be offered at a PDS school site for in-service teachers, also at one-half tuition. PDS faculty will be encouraged to attend workshops on the Centenary campus. Student teachers intern at PDS schools and interact on a variety of levels with school professionals. Although the wording used by each organization varies, they concur that such schools provide a clinical setting for pre-service education, engage in professional development for practitioners, promote and conduct inquiry that advances knowledge of schooling, and provide an exemplary education for a segment of P-12 students.

White Rock School/Centenary College Professional Development Schools

Centenary College
NJ Higher Education Sector: Independent College or University
Year Began: 2004 Participants Served: 40

CONTACT INFORMATION

Dr. John F. Autore, Assistant Professor of Education
Centenary College
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Email: autorej@centenarycollege.edu
Partners: Centenary College, White Rock School, Jefferson Board of Education

DESCRIPTION

Administrators, faculty, and staff at the three PDS schools will be entitled to register for classes at Centenary College for one-half the regular tuition rate. Additionally, courses will be offered at a PDS school site for in-service teachers, also at one-half tuition. PDS faculty will be encouraged to attend workshops on the Centenary campus. Student teachers intern at PDS schools and interact on a variety of levels with school professionals. Although the wording used by each organization varies, they concur that such schools provide a clinical setting for pre-service education, engage in professional development for practitioners, promote and conduct inquiry that advances knowledge of schooling, and provide an exemplary education for a segment of P-12 students.

Professional Development for Teachers

Montclair State University Network for Educational Renewal

Montclair State University
NJ Higher Education Sector: State College or University
Year Began: 1987 Participants Served: 980

CONTACT INFORMATION

Barbara M'Gonigle, Director
Montclair State University
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Fax: 973.655.5227
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Web Site: <http://cehs.montclair.edu/academic/cop/njner.shtml>

Partners: MSU, Caldwell/West Caldwell, Cedar Grove, Clifton, Dumont, East Orange, Englewood, Fair Lawn, Hillside, Kearny, Little Falls, Livingston, Montclair, Newark, Nutley, Paramus, Parsippany, Troy Hills, Paterson, River Vale, South Orange/Maplewood, Teaneck, Maywood, Randolph, and West Orange Schools

DESCRIPTION

The Montclair State University Network for Educational Renewal (MSUNER) promotes the renewal of schools and the instruction of educators through a collaboration between Montclair State University and member school districts. Some of the goals include teaching critical thinking as an educational ideal, making a commitment for all teachers to work to encourage the young as participants in our political and social democracy, examining the moral implications of teaching, and working to prepare teachers who see themselves as stewards of best practice and who understand the nature of change where they work. Teachers in partner schools can apply for clinical faculty status at the University that allows them to work with MSU in a variety of ways to grow professionally.

Some examples of are: work with MSU students, take and/or facilitate courses in our professional development series, work collaboratively on Teacher Study Group Grants and/or MSU/Dodge Grants, network with teachers in other districts to share ideas and expertise, etc.

Teachers as Scholars

Rutgers, The State University - Institute on Ethnicity, Culture, and the Modern Experience
NJ Higher Education Sector: Public Research University
Year Began: 2002 Participants Served: 150

CONTACT INFORMATION

Marion Bolden, Superintendent
Newark Public Schools
15 State Street, Newark, NJ 07104
Telephone: 973.268.5182
Fax: 973.268.5995
Web Site: <http://www.nps.k12.nj.us>

Partners: IECME, NPS

DESCRIPTION

Teachers as Scholars (TAS) is a national program that provides professional development and life long intellectual growth for K-12 teachers; it also fosters academic interaction between teachers and university and college professors. Launched in 1996 at Harvard University, it has grown to embrace the work of scores of colleges, universities, and school districts across the nation. The inaugural year of the program in Newark is funded by grants to the Institute on Ethnicity, Culture, and the Modern Experience (IECME) from the Woodrow Wilson National Fellowship Foundation, and the Geraldine Dodge Foundation. TAS is a district/university partnership that will enable a select number of teachers to attend one of ten seminars taught by distinguished Rutgers University professors in the humanities, social sciences, the arts and the natural and physical sciences. To accommodate small group discussions, each seminar will be limited to a maximum of 15 participants. The seminars meet for two sessions in March or April.

Since the Newark Public School District is a partner in the program, the seminars are offered to teachers at no cost. The seminars meet for two sessions in March or April, 2004. NPS teachers are encouraged to enroll in the seminar that interests them, regardless of the grade level or subject that they teach. Over the duration of the seminars, substitute teachers will be provided by the NPS to cover the daily responsibilities of district teachers participating in the seminars. The IECME is registered with the State of New Jersey as a professional development provider (#5089). Registered seminar participants will be eligible to earn professional development hours in accordance with the guidelines provided by the NJ Department of Education Professional Development Provider Registration System.

Professional Development for Teachers

Crossroads School, Westfield

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2003 Participants Served: 47

CONTACT INFORMATION

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Partners: Crossroads School, College of Education and Human Services, SHU

DESCRIPTION

Operated by the Union County Educational Services Commission, Crossroads is an intermediate countywide agency that provides educational programs and services to children who cannot be served appropriately in their regular classrooms or in special education programs in their local school districts. Crossroads students have autism, thereby providing SHU special education majors with internships and student teaching experiences working with students with a specific developmental disability. In return, Seton Hall faculty provide professional development workshops and professional development hours to Crossroads faculty.

Jefferson School, Maplewood

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2002 Participants Served: 412 students

CONTACT INFORMATION

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400 South Orange Ave., South Orange, NJ 07079
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Partners: Jefferson School, College of Education and Human Services

DESCRIPTION

Jefferson School provides supportive clinical settings in which teacher candidates engage in pre-service teaching after they attend an on-site course in literacy. A goal is to partner teacher candidates with veteran teachers who are willing to talk about why they teach, how they teach, and the decision-making regarding what they teach.

1. Jefferson School provides teacher candidates with supportive clinical settings.
 2. Jefferson School offers on-site literacy classes, allowing teachers to attend for collaborative purposes.
 3. The College of Education and Human Services provides professional development to cooperating teachers.
-

Lafayette Street School, Newark

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2003 Participants Served: 763

CONTACT INFORMATION

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Web Site: <http://education.shu.edu>
Partners: Lafayette Street School, Cranford Public School, College of Education and Human Services

DESCRIPTION

In conjunction with the College of Education and Human Services/Cranford Professional Development staff, Lafayette Street School has joined the partnership with four goals, adding an urban component to the partnership. The four goals are to provide supportive clinical settings in which teacher candidates engage in pre-service training; provide professional development to partner educators to support their achievement; promote and conduct inquiry that advances teaching knowledge and skills; and provide exemplary education for P-12 students

Professional Development for Teachers

St. Rose of Lima School, Short Hills

Seton Hall University
NJ Higher Education Sector: Independent College or University
Year Began: 2003 Participants Served: 275

CONTACT INFORMATION

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400 South Orange Ave., South Orange, NJ 07079
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Partners: St. Rose of Lima School, College of Education and Human Services

DESCRIPTION

St. Rose of Lima School is a K-8 Catholic school where faculty are willing to work with pre-service teachers and talk to them about why they teach, how they teach, and decision-making about what they teach. Teacher candidates work in learning environments where they are able to instruct and participate actively with children in varied ways, such as one-to-one, small groups, and whole group instruction. St. Rose of Lima School provides teacher candidates with supportive clinical settings and the College of Education and Human Services provides workshops in specific content areas for the school's staff.

CIESE - Elizabeth Public Schools

Stevens Institute of Technology
NJ Higher Education Sector: Independent College or University
Year Began: 1993

CONTACT INFORMATION

Beth McGrath, Director, Center for Innovation in Engineering and Science Education
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Partners: Elizabeth Public Schools, Stevens Institute of Technology’s Center for Innovation in Engineering and Science Education, New Jersey Department of Education, New Jersey Commission on Higher Education, National Science Foundation

DESCRIPTION

In 1993, the Center for Innovation in Engineering and Science Education at Steve's Institute of Technology began a partnership with Elizabeth Public Schools in an NSF-sponsored Mentor-Teacher program geared at improving mathematics with technology. The partnership continued with collaboration in CIESE’s K-12 Partnership Program and the NJ Commission on Higher Education sponsored High Technology Workforce program. Over the last several years, CIESE has provided intensive in-district mentoring for middle school mathematics teachers and is now embarking on an N.J. Department of Education MATRIX (Math Achievement to Realize Individual eXcellence) grant designed to improve sixth, seventh, and eighth grade student achievement of the Core Curriculum Content Standards in Mathematics by enabling a group of teachers at each grade level to effectively integrate technology into teaching and learning. The program provides full-day professional development sessions, in-school visitations, and summer workshops.

CIESE - Hoboken Public Schools

Stevens Institute of Technology
NJ Higher Education Sector: Independent College or University
Year Began: 1988

CONTACT INFORMATION

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Partners: Hoboken Public Schools, Stevens Institute of Technology’s Center for Innovation in Engineering and Science Education, IBM Foundation, New Jersey Department of Education, New Jersey Commission on Higher Education, National Science Foundation

DESCRIPTION

Hoboken Public Schools and the Center for Innovation in Engineering and Science Education began its long partnership in 1988 with a technology in mathematics program sponsored by the N.J. Department of Education and the N.J. Commission on Higher Education. CIESE and Hoboken continued to work together over the years with teacher participation in workshops offered through the NSF Networking Infrastructure for Education Program, K-12 Partnership Program, TIME Program, High Technology Workforce Program, and more recently with Steven’s supported Technology-in-Education Summer Institutes. In addition, CIESE is providing in-district support to Hoboken through their N.J. Department of Education STAR-W grant. The program provides full-day professional development sessions, in-school visitations, and summer workshops.

Professional Development for Teachers

CIESE- Newark Public Schools

Stevens Institute of Technology
NJ Higher Education Sector: Independent College or University
Year Began: 1988

CONTACT INFORMATION

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Telephone: 201.216.5037
Fax: 201.216.8069
Email: bmcgrath@stevens.edu
Partners: Newark School District, Stevens Institute of Technology’s Center for Innovation in Engineering and Science Education, New Jersey Department of Education, New Jersey Commission on Higher Education, National Science Foundation

DESCRIPTION

Newark Public Schools was one of CIESE's (Center for Innovation in Engineering and Science Education) first partners when in 1988-1990 ten teachers from the district participated in a state sponsored mathematics and technology program encompassing monthly workshops and an intensive two-week summer workshop at Stevens Institute. During the ensuing years, Newark teachers participated in a multitude of technology in mathematics/science workshops offered through CIESE’s NSF-sponsored Networking Infrastructure for Education program and K-12 Partnership Program. In 1999 Newark became the focus of a N.J. Commission on Higher Education High Technology Workforce program. This three-year effort was an intensive teacher professional development collaboration. As a result, Newark has seen dramatic increases in students' science achievement scores--averaging 10% growth sustained over three years--in those schools that worked with Stevens in this program. In 2004, science scores increased by almost 10% district-wide and by 20% in the participating schools. This demonstrates the value and impact of the NJ CHE grant. As teachers developed their computer skills and their ability to integrate the real time projects into their teaching, the impact over time is valuable. Additionally, in 2002/2003 Newark sponsored an additional program for 10 low performing schools focusing on the NJ GEPA topics. Since then, CIESE and Newark continue to seek out new opportunities to work together to help improve education in the district. The program provides full-day professional development sessions, in-school visitations, and summer workshops.

CIESE - Passaic Public Schools

Stevens Institute of Technology
NJ Higher Education Sector: Independent College or University
Year Began: 1997

CONTACT INFORMATION

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Partners: Passaic Public Schools, Stevens Institute of Technology’s Center for Innovation in Engineering and Science Education, AT&T Foundation, New Jersey Department of Education, National Science Foundation, New Jersey Commission on Higher Education

DESCRIPTION

The partnership between the Passaic Public Schools and the Center for Innovation in Engineering and Science Education at Stevens Institute began in 1997 when Passaic teachers participated in an AT&T Foundation-sponsored ScienceLINK program, a three-year professional development program for middle school teachers promoting standards-based Internet-supported science curriculum resources which included ten full-day workshops during the school year and 2-week summer institutes. During the ensuing years, Passaic teachers participated in a multitude of technology in mathematics/science workshops offered through CIESE’s NSF-sponsored Networking Infrastructure for Education program, K-12 Partnership Program and TIME (Technology in Mathematics Education) program. In addition, Passaic high school teachers participated in the N.J. CHE-sponsored High Technology Workforce Grant in 2002-2003. More recently, the district and Stevens have embarked on two N.J. Department of Education initiatives: the P-12 Higher Education/Public School Partnership Program and the MATRIX Program. Both are expected to start in November 2005. The program provides full-day professional development sessions, in-school visitations, and summer workshops.

Professional Development for Teachers

Paterson Teachers for Tomorrow (PT4T)

William Paterson University
NJ Higher Education Sector: State College or University
Year Began: 1999

CONTACT INFORMATION

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William Paterson University of New Jersey
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Web Site: <http://www.wpunj.edu>
Partners: Eastside HS, Paterson, John F. Kennedy HS, Paterson, Rosa Parks HS, Paterson

DESCRIPTION

The challenge for Paterson is to attract and retain academically and pedagogically talented teachers for urban schools-teachers who are committed to remain in those schools to do the difficult, long-term work of reform and renewal. Committed to helping Paterson realize its potential from within, the Paterson Teachers for Tomorrow program serves to provide opportunities for students to both teaching as a profession and become certified teaching professionals who are dedicated to reforming Paterson Public Schools. Club meetings in high schools; bi-annual field trips; annual leadership retreats; summer educational program; fall & spring parent information dinner; annual awards dinner; annual scholarship to William Paterson University; weekly study group sessions for those at William Paterson University.

Tutoring/Academic Support Services

Roseville Avenue School Tutoring Project

Bloomfield College
NJ Higher Education Sector: Independent College or University
Year Began: 1998 Participants Served: 20 students in grades 1-4 each semester

CONTACT INFORMATION

Elena J. Scambio, Ph.D.
Bloomfield College
Bloomfield, NJ
Partners: Bloomfield College, Roseville Avenue School, Newark, PCCI - non-profit

DESCRIPTION

This tutoring project links elementary students from Newark with college tutors/mentors, many of whom come from the same type of school district as the elementary students. Roseville Avenue School children are driven to the college campus for after-school tutoring. Students are afforded the opportunity to socialize with college students and participate in structured tutoring sessions. Students also participate in physical or artistic group activities.

Honors College ICF Tutoring Program

Rutgers, The State University of New Jersey
NJ Higher Education Sector: Public Research University
Year Began: 2001 Participants Served: 100

CONTACT INFORMATION

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Email: jgunkel@andromeda.rutgers.edu
Web Site: <http://honorsnewark.rutgers.edu>
Partners: Rutgers-Newark Honors College, St. Benedict's Preparatory School, Thirteenth Avenue Elementary School (Newark)

DESCRIPTION

This program involves approximately 36 Rutgers undergraduates per year, who spend a total of almost 1,000 hours per year tutoring at the schools. Third and fourth graders who are not reading or doing mathematics at grade level are served at the Elementary School, and freshmen and sophomores experiencing academic difficulties in the transition to a college prep curriculum are served at the high school. The program provides tutoring and mentorship for P-12 students throughout the school year.

Abbott Leadership Institute - Parent Child Learning Centers

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: incomplete assessment

CONTACT INFORMATION

Junius W. Williams, Director
Abbott Leadership Institute
Newark, NJ
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Email: Director
Partners: Abbott Leadership Institute, Rutgers University, Rutgers students, Case Program, Rutgers Newark, America Reads, Rutgers Newark, Newark Literacy Campaign, Inc.

DESCRIPTION

This is a network of churches that provide tutoring and mentoring services for young people, and parenting information for the parents. ALI provides instruction in all aspects of improving parent participation in the education of their children, at home (homework assistance, creating a learning environment, etc.) and at school (parent-teacher conference, the Abbott Program and how it works for education reform). The tutors come from Rutgers-Newark and from the church sponsors.

Tutoring/Academic Support Services

Newark Literacy Campaign - America Reads

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2000 Participants Served: 250

CONTACT INFORMATION

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Web Site: <http://www.nwkcics.rutgers.edu>
Partners: Newark School district, Rutgers University, Newark Literacy Campaign, Newark North Jersey Black Clergy

DESCRIPTION

Administered by Campus Information and Conference Services, the Newark America Reads Program serves a vast community of children in Newark. In partnership with the Newark Literacy Campaign, Rutgers Campus Information and Conference Services, The Office of Financial Aid/Student Employment, and New Jersey Institute of Technology, the America Reads Program has become a positive addition to the community it serves. The Newark America Reads Program enriches children's lives by providing academic tutorial support in the areas of Math and Reading. The one-on-one interaction between college tutors and their children demonstrates their significant commitment of time and energy to develop relationships with youth devoted primarily to encouraging their academic success. The services are provided during the academic year and modified during the summer months.

North Star Academy Gear-UP Tutoring Program

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 20

CONTACT INFORMATION

Paul Bambrick, North Star Academy Charter school
Newark, NJ
Web Site: http://afc.newark.rutgers.edu/north_star_academy.html
Partners: North Star Academy Charter School, Academic Foundations Center, Education and Academic Foundations Department - Rutgers - Newark

DESCRIPTION

The Academic Foundations Center and the Education and Academic Foundations Department, in collaboration with North Star Academy Charter School, provide tutoring sessions for middle school children attending North Star Academy Charter School. The Rutgers University-Newark campus hosts tutoring sessions in the Rutgers Learning Center during the academic year. The tutoring sessions provide the children from North Star Academy Charter School with an opportunity to work one-on-one with an undergraduate tutor in the areas of reading and writing. More importantly, the sessions provide the children with an opportunity to visit and explore the Rutgers University - Newark campus. Tutoring is provided during after-school hours in the academic year.

Tell Your Story

Rutgers, The State University of New Jersey - Newark
NJ Higher Education Sector: Public Research University
Year Began: 2003 Participants Served: 150

CONTACT INFORMATION

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Newark, NJ
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Partners: Newark Public Schools, Friends of the Newark Public Library, Project GRAD - Newark

DESCRIPTION

Volunteers from the Friends of the Newark Public Library Board of Trustees and Rutgers Writing Center tutors work with the Director of the Writing Center and Project Grad to host writing workshops for students in Newark Public Schools, grades 5-9. The program provides six writing workshops a year and a writing curriculum.

Tutoring/Academic Support Services

Ferris High School Higher Achievement Program

Saint Peter's College
NJ Higher Education Sector: Independent College or University
Year Began: 1986 Participants Served: 225

CONTACT INFORMATION

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Partners: James J. Ferris High School, Jersey City

DESCRIPTION

The goals of the program are to improve academic skills, increase college awareness and increase the likelihood of college attendance of Ferris High School students. These goals are accomplished through tutoring/mentoring, peer learning groups and workshops.

Summit Middle School

Seton Hall University
NJ Higher Education Sector: Independent College or University
Participants Served: 200

CONTACT INFORMATION

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Partners: Summit Middle School, SHU College of Education and Human Services

DESCRIPTION

Secondary education majors spend one day per week in a middle school classroom writing and presenting lessons in a variety of subject areas. At the end of the day, these interns then tutor at-risk students in math and literacy. Summit/Seton Hall Challenge Program, weekly tutoring program where SHU candidates tutor at-risk middle school students in math, writing, ESL, and homework assistance.
